



UIN 09C2725

Gasoline Engine

Unit No. SAMPLE

Unit:
Make
Model
Serial No.
Site

Compartment:

Name Gasoline Engine
Make
Model
Serial No.
Capacity: Ltrs

Customer:

SAMUEL SPANOVICH
306 S Main ST
Coupeville WA 98239
USA

DIAGNOSIS

Unit Make and/or Model not given. Engine / Oil time unknown. Insufficient information supplied to give reliable diagnosis. All values appear normal. Abrasive and other contaminant levels are acceptable. Viscosity within specified operating range. Action: Resample at next recommended interval to monitor and establish wear trend.

ANALYST: Stan.Leitz

Legend box containing icons for Normal (green check), Severe (red stop), Abnormal (blue wrench), Caution (yellow triangle), and Normal (green check).

Table with 2 columns: DATE SAMPLED, DATE RECEIVED, DATE REPORTED and their corresponding dates (12-Jan-23).

Table with 2 columns: LAB NO., SIF NO., TIME ON UNIT, TIME ON OIL, OIL BRAND, OIL TYPE, OIL GRADE, OIL ADDED, FILTER, OIL CHANGED, WO NUMBER and their corresponding values.

Table with 2 columns: Metals (ppm) and values for Iron (Fe), Chromium (Cr), Lead (Pb), Copper (Cu), Tin (Sn), Aluminium (Al), Nickel (Ni), Silver (Ag), Titanium (Ti), Vanadium (V).

Table with 2 columns: Contaminants (ppm) and values for Silicon (Si), Sodium (Na), Potassium (K).

Table with 2 columns: Additives (ppm) and values for Magnesium (Mg), Calcium (Ca), Barium (Ba), Phosphorus (P), Zinc (Zn), Molybdenum (Mo), Boron (B).

Table with 2 columns: Contaminants and values for Water (%), Coolant.

Table with 2 columns: Physical Tests and values for Viscosity (cSt 100C), PQ Index.



Right Solutions • Right Partner



UIN 09C2725

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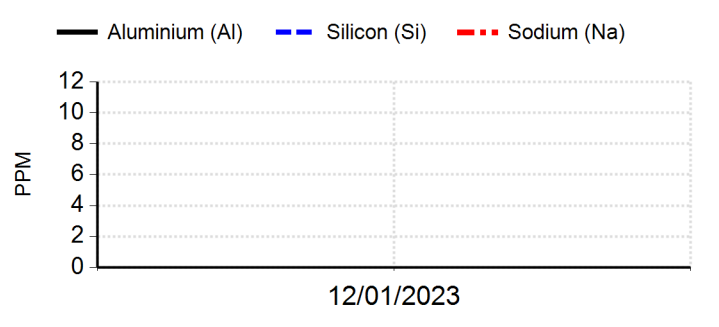
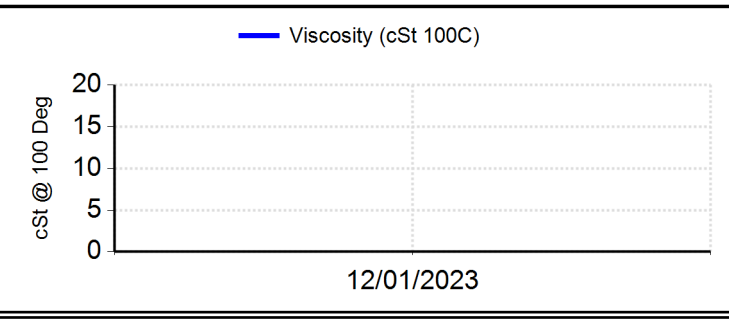
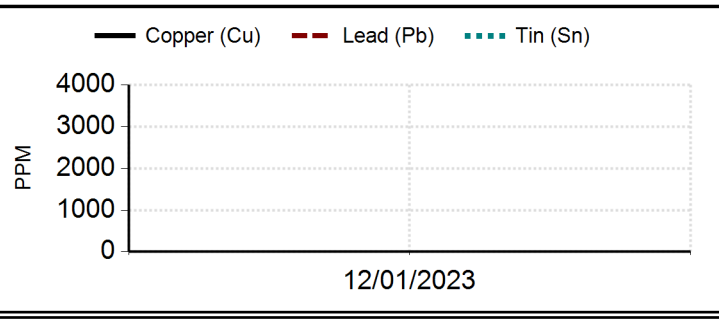
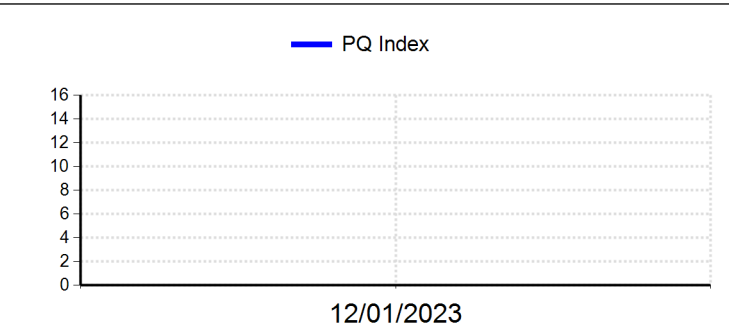
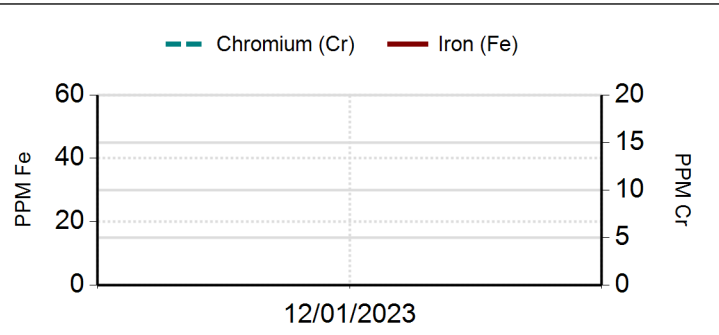
Europe

Prague

TEST METHODS:

Acid Number:	ASTM D974/D664 (*M)
Base Number:	ASTM D4739 (*M)
Base Number (Perchloric):	ASTM D2896B, back (*M)
Fuel Dilution by GC:	ASTM D7593
Fuel Dilution Visc/Setaflash	In House
Fuel Soot ATR/IR:	ASTM D7686 (*M)
Soot by FTIR:	ASTM D7844
Glycol:	In House
Metals by ICP AES:	ASTM D5185 (*M)
Ox, NOx, SOx, FTIR:	ASTM E2412/D7418/D7414 D7415
PQ Index:	ASTM D8120 (*M)
Particle Count:	ASTM D7647 (*M) / ISO 4406
Kinematic Viscosity:	ASTM D445 (*M) / D7279 (*M)
Water KF:	D6304 / E203 (*M)
Water Crackle:	In House

*M - Modified Method



Filter Image

Filter patch test is not performed Contact laboratory for more information

Since services are based on samples and information supplied by others, and since corrective actions, if any, are necessarily taken by others, these services are rendered without any warranty or liability of any kind beyond the actual amount paid to ALS Tribology for the services. Reported recommendations are based on interpretations of the generated test results and historical data. Certain test results appearing in this report may have been tested at other ALS laboratories within the Tribology divisional network.

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