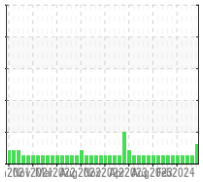
DEGRADATION

Sample Rating Trend



Machine Id
K601
Component
Natural Gas Compression Engine
Fluid
PETRO CANADA SENTRON LD 3000 (--- LTR)

LUBE 360 DIAGNOSTICS

OIL ANALYSIS REPORT

Sample / Wear Metals / Contaminants / Additives

Sample Number	Sample Date	Iron	Chromium	Nickel	Titanium	Silver	Aluminum	Lead	Copper	Tin	Antimony	Vanadium	Beryllium	Cadmium	Silicon	Sodium	Potassium	Boron	Barium	Molybdenum	Manganese	Magnesium	Calcium	Phosphorus	Zinc	Sulfur	Lithium
		>14	>3	>5		>5	>5	>8	>5	>3					>180	>20	>20	5	1	2	1	5	1220	298	350	1995	
PC0089491	21 Jun 2024	2	0	<1	0	0	2	0	<1	0	0	0	0	0	<1	<1	<1	1	0	<1	0	8	1510	293	385	2178	<1
PC0089485	15 May 2024	2	0	0	0	0	1	0	<1	0	0	0	0	0	0	<1	<1	<1	0	0	0	10	1462	291	368	2099	<1
PC0089478	21 Apr 2024	1	0	0	0	0	<1	0	<1	0	0	0	0	0	0	<1	<1	<1	0	0	0	8	1425	282	352	2061	<1
PC0089509	27 Mar 2024	1	0	0	0	0	<1	0	<1	0	0	0	0	0	0	<1	0	1	0	0	0	8	1403	283	349	2110	<1
PC0085507	16 Feb 2024	1	0	0	0	0	2	0	<1	0	0	0	0	0	1	<1	<1	<1	0	<1	0	8	1349	283	333	2222	<1
PC0085493	17 Jan 2024	<1	0	<1	0	0	1	0	<1	0	0	0	0	0	1	<1	<1	<1	0	0	0	7	1231	257	303	2068	<1

Sample / Physical Tests / Other Tests

Sample Number	Machine Age	Oil Age	Oil Changed	Filter Changed	Visc @ 40°C	Visc @ 100°C	Viscosity Index (VI)	Water	Glycol	Fuel	Oxidation(Diff)	Nitration(Diff)	Sulfation(Diff)	Acid Number (AN)	Base Number (BN)	Particles >4µm	Particles >6µm	Particles >14µm	Oil Cleanliness		
	hrs	hrs		---	124.3	13.7	106	>0.1		>4.0	< 25	< 25		0.86	---	---	---	---	---	---	---
PC0089491	33350	0	Not Changd	---	126	13.7	105	NEG	NEG	<1.0	13	7.3	11.9	3.90	---	---	---	---	---	---	---
PC0089485	32469	0	Not Changd	---	126	13.6	103	NEG	NEG	<1.0	11.6	6.8	11.2	1.54	---	---	---	---	---	---	---
PC0089478	0	0	N/A	---	124	13.6	105	NEG	NEG	<1.0	9.6	5.9	8.7	1.31	---	---	---	---	---	---	---
PC0089509	31604	23387	N/A	---	122	13.3	103	NEG	NEG	<1.0	8.8	5.7	7.8	1.34	---	---	---	---	---	---	---
PC0085507	30354	0	Not Changd	---	120	13.2	104	NEG	NEG	<1.0	6.2	4.7	5.8	0.97	---	---	---	---	---	---	---
PC0085493	29659	0	Not Changd	---	120	13.2	104	NEG	NEG	<1.0	2.8	2.2	2.5	0.41	---	---	---	---	---	---	---

Recommendations

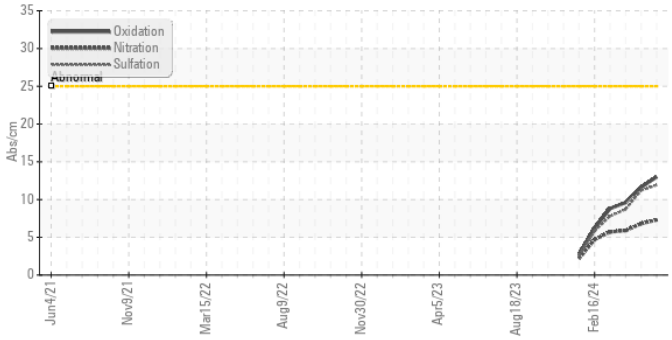
21 Jun 2024	The oil is near the end of it`s useful service life, recommend schedule an oil change. Resample at the next service interval to monitor. NOTE: Acid number was run 3x to confirm.
15 May 2024	Resample at the next service interval to monitor.

Interpretation

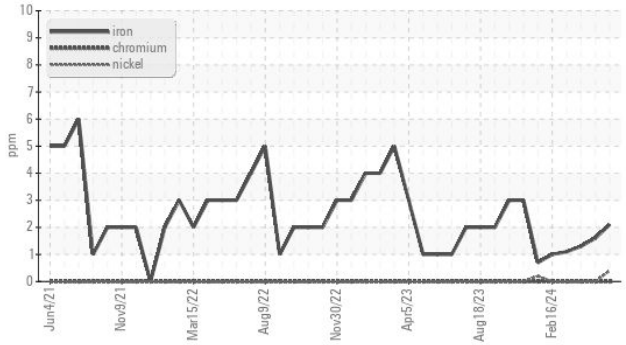
21 Jun 2024	All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is above the recommended limit. The oil is no longer serviceable.
15 May 2024	All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Charts & Pictures

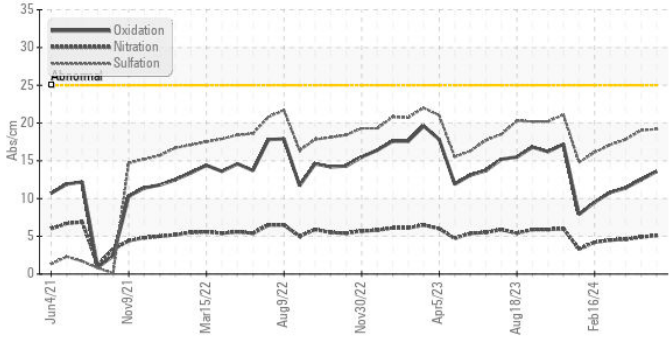
FT-IR (Differential)



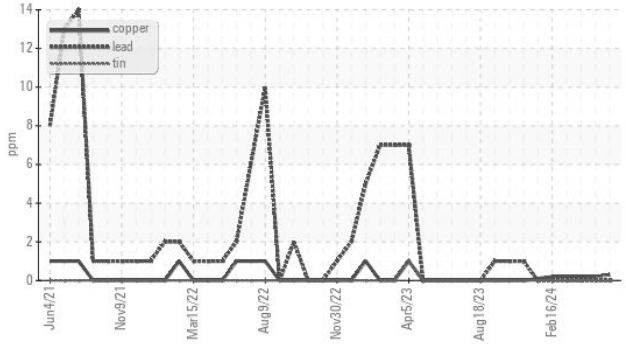
Ferrous Alloys



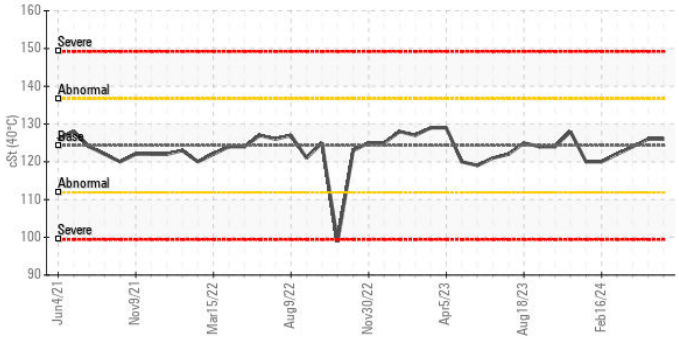
FT-IR (Direct Trend)



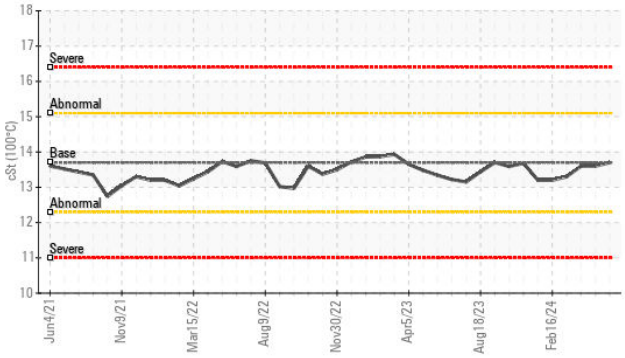
Non-ferrous Metals



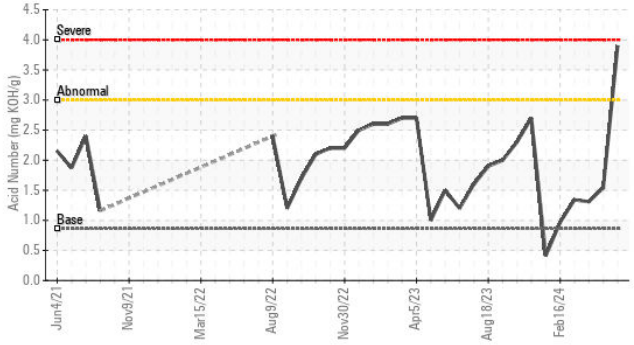
Viscosity @ 40°C



Viscosity @ 100°C



Acid Number



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0089491 **Received** : 02 Jul 2024
Lab Number : 02644797 **Tested** : 08 Jul 2024
Unique Number : 5802336 **Diagnosed** : 08 Jul 2024 - Bill Quesnel
Test Package : GEO 2 (Additional Tests: TAN Man)

To discuss this sample report, contact Customer Service at 1-800-268-2131.
Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
Validity of results and interpretation are based on the sample and information as supplied.

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