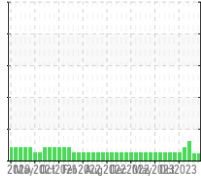


VISCOSITY

Sample Rating Trend



Machine Id
K611
 Component
Reciprocating Compressor
 Fluid
PETRO CANADA SENTRON LD 3000 (--- LTR)



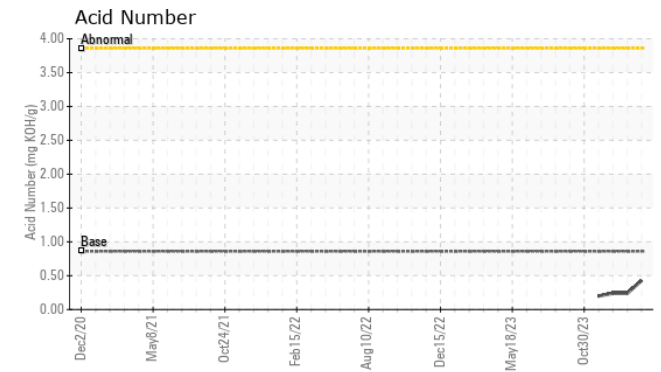
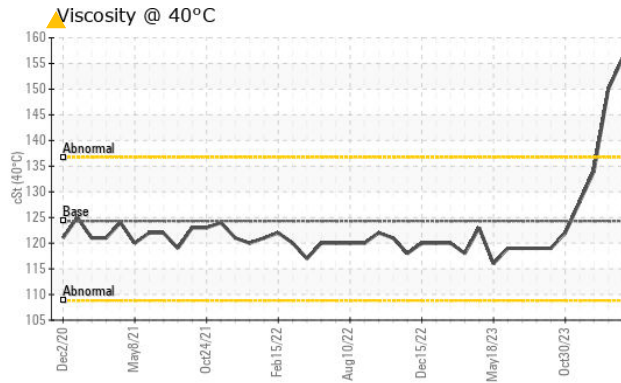
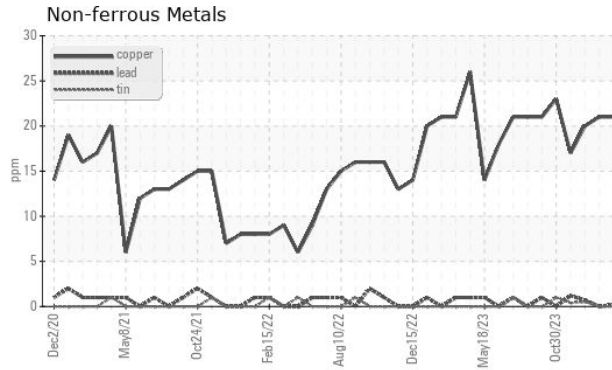
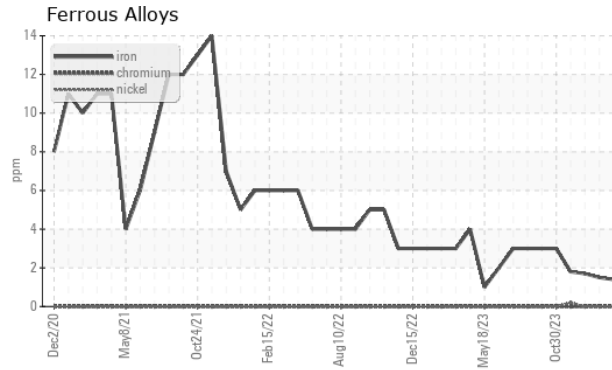
OIL ANALYSIS REPORT

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
		>50	>10				>25	>25	>50	>15					>25		>20	5	1	2	1	5	1220	298	350	1995	
PC0085510	21 Apr 2024	1	0	0	0	0	<1	<1	21	0	0	0	0	0	3	<1	<1	<1	0	0	0	6	1530	277	186	2090	<1
PC0089500	27 Mar 2024	2	0	0	0	0	<1	0	21	0	0	0	0	0	3	<1	0		0	0	0	6	1498	279	199	2122	<1
PC0085499	16 Feb 2024	2	0	0	0	<1	1	<1	20	<1	0	0	0	0	6	<1	<1		0	0	0	7	1383	272	239	2150	<1
PC0085485	17 Jan 2024	2	0	<1	0	0	1	1	17	<1	0	0	0	0	4	<1	1		0	0	0	6	1303	264	256	2087	<1
PC90000452	30 Oct 2023	3	0	0	0	0	2	0	23	1	0	0	0	0	2	0	0		0	0	0	6	1238	283	298		0
PC90000422	11 Sep 2023	3	0	0	0	0	1	1	21	0	0	0	0	0	1	0	0		0	0	0	7	1252	267	303		0

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	---	---	< 25	< 25		0.86	---	>1300	>640	>160	>17/16/14	---	---
PC0085510	0	0	N/A	---	156	15.7	103	0.007	---	---	0.8	1.5	0	0.43	---					---	---
PC0089500	19542	18685	N/A	---	150	15.3	103	0.001	---	---	1	1.9	0.1	0.24	---	1160	194	20	17/15/11	---	---
PC0085499	19159	0	Not Changed	---	134	14.2	103	0.003	---	---				0.24	---	30720	3133	40	22/19/12	---	---
PC0085485	19000	0	Not Changed	---	128	13.8	104	0.001	---	---	1	0.8	0.2	0.20	---	4837	267	10	19/15/10	---	---
PC90000452	18685	2084	Changed	---	122	13.14	101		---	---										---	---
PC90000422	18055	1454	Not Changed	---	119	13.23	105		---	---										---	---

Recommendations		Interpretation	
21 Apr 2024	Resample at the next service interval to monitor.	21 Apr 2024	All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The viscosity of the oil is higher than normal, possibly indicating the addition of a heavier grade of oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.
27 Mar 2024	We recommend an early resample to monitor the viscosity increase at 40°C.	27 Mar 2024	All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable. The viscosity of the oil is higher than normal, possibly indicating the addition of a heavier grade of oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sample Date	Color	Bottom
21 Apr 2024		
27 Mar 2024		
16 Feb 2024		
17 Jan 2024		
30 Oct 2023	no image	no image
11 Sep 2023	no image	no image



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0085510 **Received** : 22 Apr 2024
Lab Number : **02630562** **Tested** : 01 May 2024
Unique Number : 5763694 **Diagnosed** : 01 May 2024 - Bill Quesnel
Test Package : PLANT (Additional Tests: FT-IR, FT-IR(Diff), KF, KV100, PQ, TAN Man, VI)

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.

NuVista Energy
 10508 67 Ave, #201
 Grande Prairie, AB
 CA T8W 0K8
 Contact: Eldon Weaver
 eweaver@nvaenergy.com

T:
F: