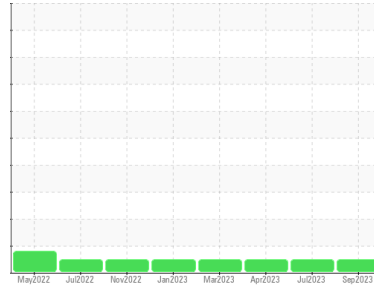




Machine Id
GARDNER DENVER COMP 2 (S/N 5507711)

Component
2 Compressor

Fluid
PETRO CANADA SYNDURO SHB ISO 68 (--- GAL)



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The water content is negligible. There is no indication of any contamination in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION method limit/base current history1 history2

Sample Number	Client Info	PC0070460	PC0070470	PC0070465	
Sample Date	Client Info	07 Sep 2023	12 Jul 2023	29 Apr 2023	
Machine Age	hrs	Client Info	33305	32200	30833
Oil Age	hrs	Client Info	2788	4906	499
Oil Changed	Client Info	Changed	N/A	N/A	
Sample Status		NORMAL	NORMAL	NORMAL	

WEAR METALS method limit/base current history1 history2

PQ	ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m) >50	1	<1	<1
Chromium	ppm	ASTM D5185(m) >10	0	0	0
Nickel	ppm	ASTM D5185(m)	<1	0	<1
Titanium	ppm	ASTM D5185(m)	0	0	0
Silver	ppm	ASTM D5185(m)	0	0	0
Aluminum	ppm	ASTM D5185(m) >25	<1	<1	<1
Lead	ppm	ASTM D5185(m) >25	0	0	<1
Copper	ppm	ASTM D5185(m) >50	<1	<1	<1
Tin	ppm	ASTM D5185(m) >15	0	0	0
Antimony	ppm	ASTM D5185(m)	0	0	<1
Vanadium	ppm	ASTM D5185(m)	0	0	0
Beryllium	ppm	ASTM D5185(m)	0	0	0
Cadmium	ppm	ASTM D5185(m)	0	0	0

ADDITIVES method limit/base current history1 history2

Boron	ppm	ASTM D5185(m) 0	0	<1	<1
Barium	ppm	ASTM D5185(m) 5.0	0	0	0
Molybdenum	ppm	ASTM D5185(m) 0	0	0	0
Manganese	ppm	ASTM D5185(m)	0	0	0
Magnesium	ppm	ASTM D5185(m) 5.0	0	0	0
Calcium	ppm	ASTM D5185(m) 5.0	<1	<1	0
Phosphorus	ppm	ASTM D5185(m) 100	64	76	196
Zinc	ppm	ASTM D5185(m) 5.0	2	2	<1
Sulfur	ppm	ASTM D5185(m) 1900	1404	1283	903
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

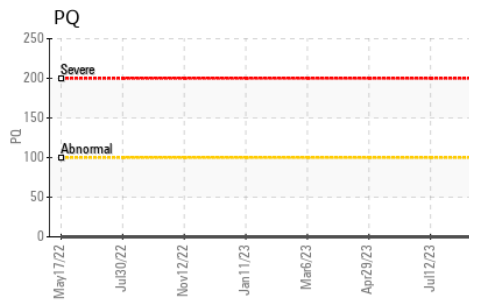
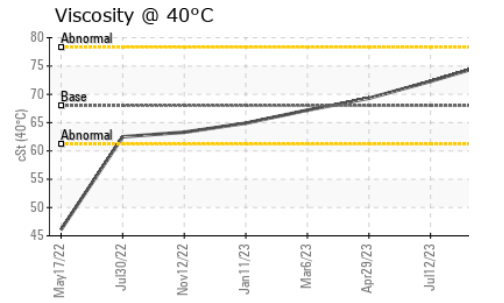
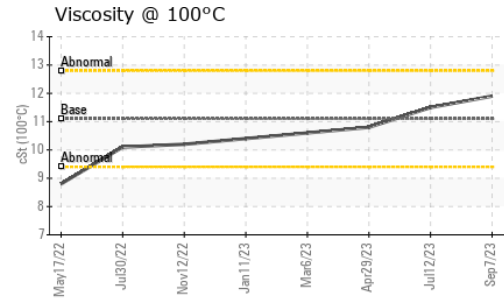
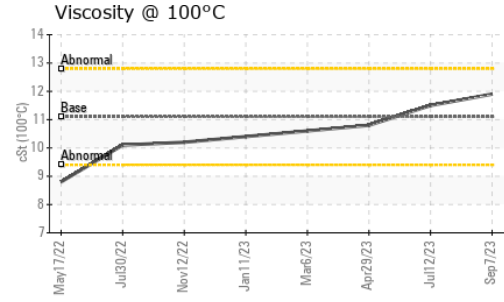
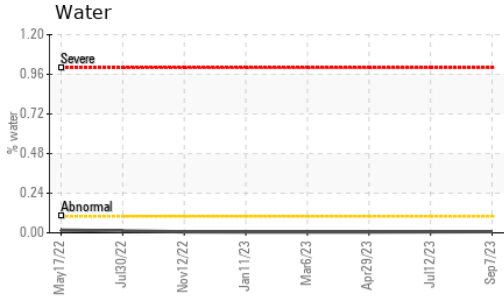
CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185(m) >25	<1	<1	<1
Sodium	ppm	ASTM D5185(m)	0	0	0
Potassium	ppm	ASTM D5185(m) >20	0	<1	0
Water	%	ASTM D6304* >0.1	0.007	0.006	0.005
ppm Water	ppm	ASTM D6304* >1000	70.7	63.7	54.1

FLUID DEGRADATION method limit/base current history1 history2

Acid Number (AN)	mg KOH/g	ASTM D974* 0.3	0.25	0.30	0.29
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OIL ANALYSIS REPORT

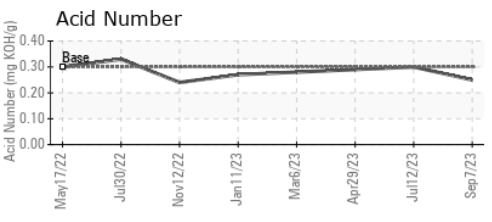
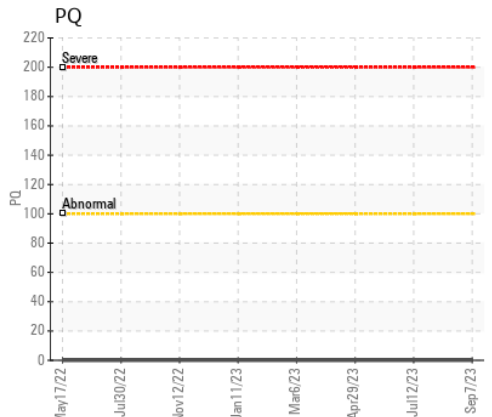
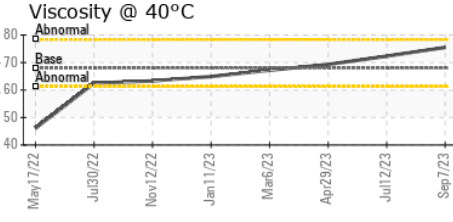
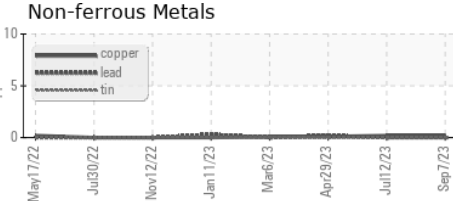
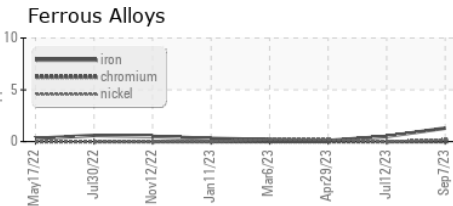


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	AMMON
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	68.0	75.5	72.3	69.3
Visc @ 100°C	cSt	ASTM D7279(m)	11.1	11.9	11.5	10.8
Viscosity Index (VI)	Scale	ASTM D2270*	155	153	152	145

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **Powercor Manufacturing - Linamar**
Sample No. : PC0070460 **Received** : 14 Sep 2023 **545 Elmira Road**
Lab Number : 02582517 **Diagnosed** : 15 Sep 2023 **Guelph, ON**
Unique Number : 5643582 **Diagnostician** : Wes Davis **CA N1K 1C2**
Test Package : IND 2 (Additional Tests: KF, KV100, VI) **Contact: Quang Luong**

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. **T: (226)326-0125**
F: