

Machine Id
GARDNER DENVER COMP #4
Component
Compressor
Fluid
PETRO CANADA COMPRO XL-S COMPRESSOR FLUID 46 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0076510	PC0076517	PC0076478
Sample Date		Client Info		04 Jan 2024	25 Oct 2023	12 Jun 2023
Machine Age	hrs	Client Info		79750	78242	5000
Oil Age	hrs	Client Info		0	4121	500
Filter Age	hrs	Client Info		0	0	500
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m)	>50	<1	<1	0
Chromium	ppm	ASTM D5185(m)	>5	0	0	0
Nickel	ppm	ASTM D5185(m)		0	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	<1	0
Aluminum	ppm	ASTM D5185(m)	>15	<1	<1	0
Lead	ppm	ASTM D5185(m)	>65	0	<1	0
Copper	ppm	ASTM D5185(m)	>65	<1	<1	0
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	VLITE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

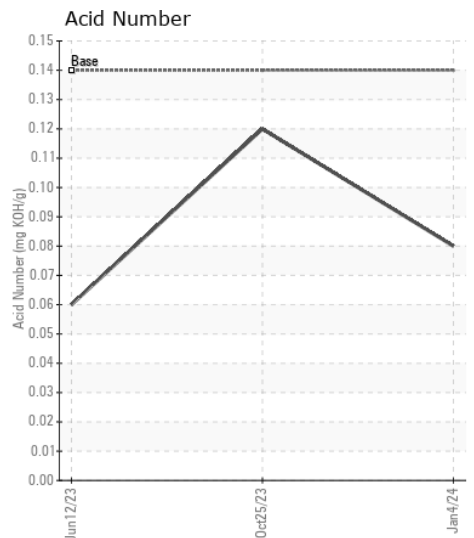
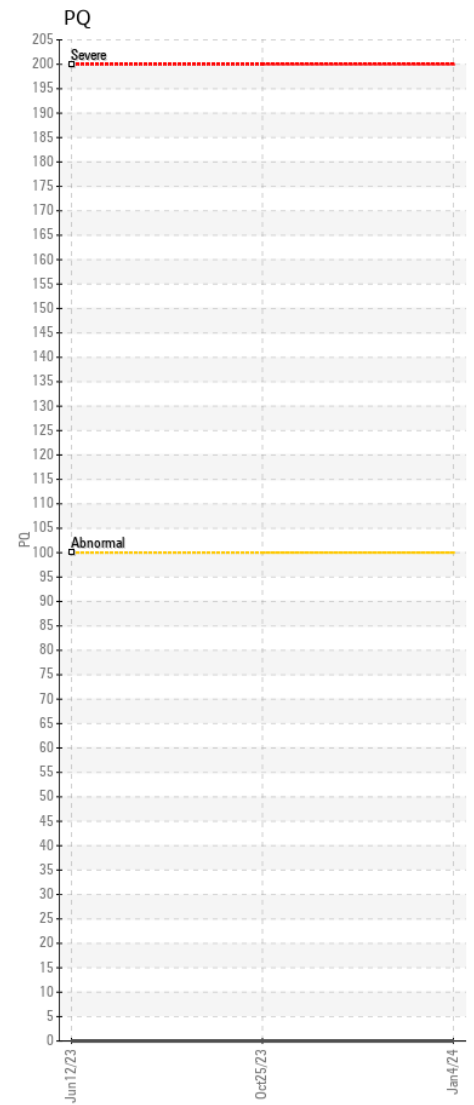
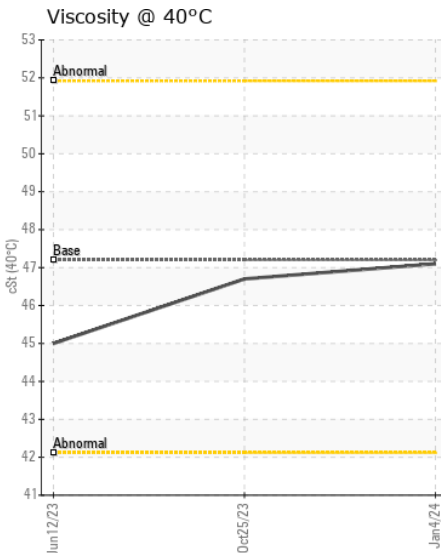
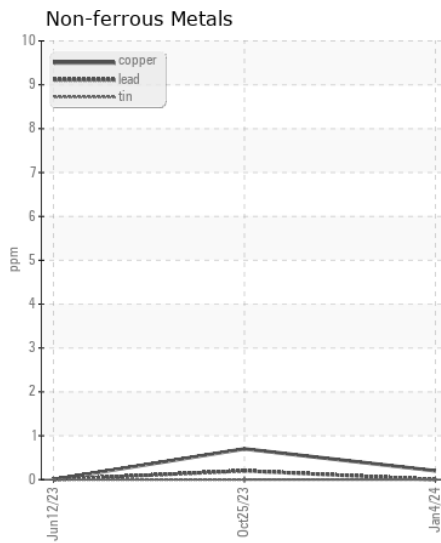
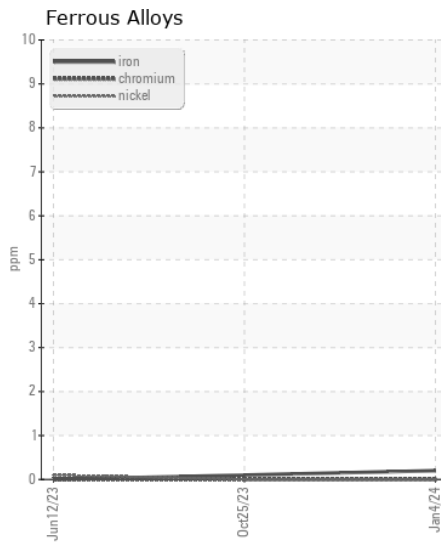
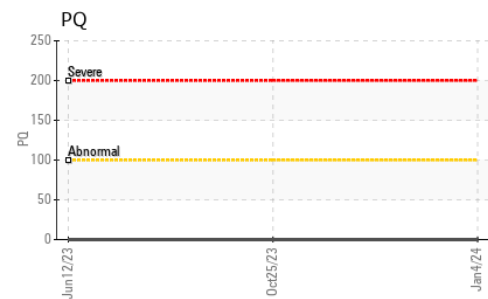
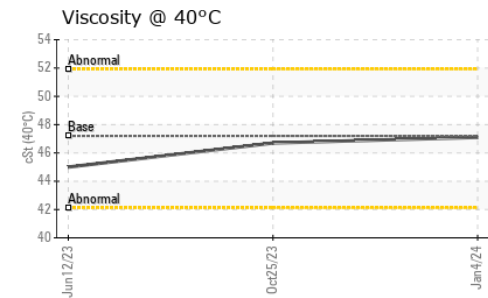
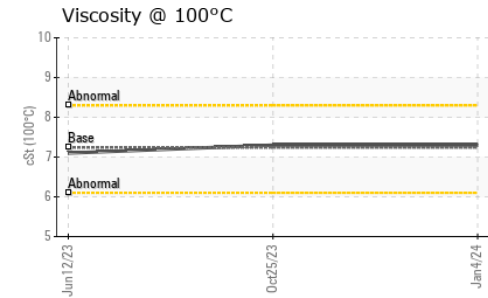
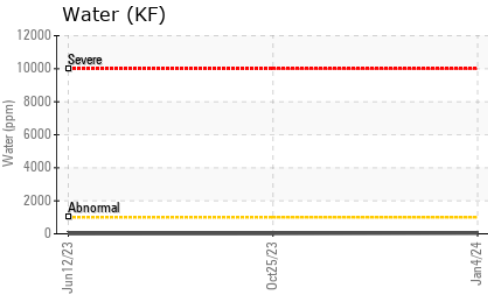
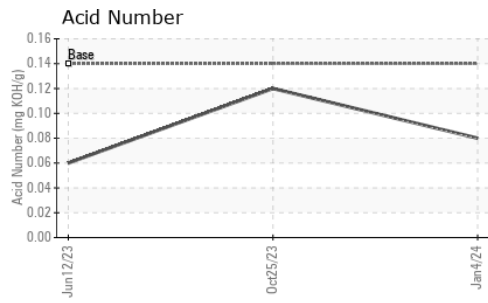
The water content is negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>35	0	8	0
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	0
Water	%	ASTM D6304*	>0.1	0.003	0.001	0.001
ppm Water	ppm	ASTM D6304*	>1000	33	13.2	10.8
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	VLITE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		0	<1	0
Boron	ppm	ASTM D5185(m)		0	<1	0
Barium	ppm	ASTM D5185(m)	20	0	<1	0
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		<1	0	0
Calcium	ppm	ASTM D5185(m)	20	0	<1	1
Phosphorus	ppm	ASTM D5185(m)	320	0	1	<1
Zinc	ppm	ASTM D5185(m)	20	<1	<1	2
Sulfur	ppm	ASTM D5185(m)	3000	2490	2882	3109
Acid Number (AN)	mg KOH/g	ASTM D974*	0.14	0.08	0.12	0.06
Visc @ 40°C	cSt	ASTM D7279(m)	47.2	47.1	46.7	45.0
Visc @ 100°C	cSt	ASTM D7279(m)	7.24	7.3	7.3	7.1
Viscosity Index (VI)	Scale	ASTM D2270*	114	116	117	117



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0076510
Lab Number : 02607534
Unique Number : 5708620
Test Package : IND 2 (Additional Tests: KF, KV100, VI)
Received : 09 Jan 2024
Tested : 10 Jan 2024
Diagnosed : 10 Jan 2024 - Wes Davis

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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.