



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
092623
 Component
Swing Drive
 Fluid
SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0935794	---	---
Sample Date		Client Info		15 May 2024	---	---
Machine Age	hrs	Client Info		492	---	---
Oil Age	hrs	Client Info		492	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>400	78	---	---
Chromium	ppm	ASTM D5185(m)	>10	1	---	---
Nickel	ppm	ASTM D5185(m)	>10	0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>25	2	---	---
Lead	ppm	ASTM D5185(m)	>50	1	---	---
Copper	ppm	ASTM D5185(m)	>200	75	---	---
Tin	ppm	ASTM D5185(m)	>10	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

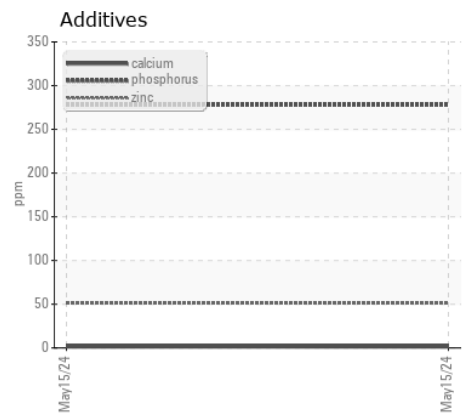
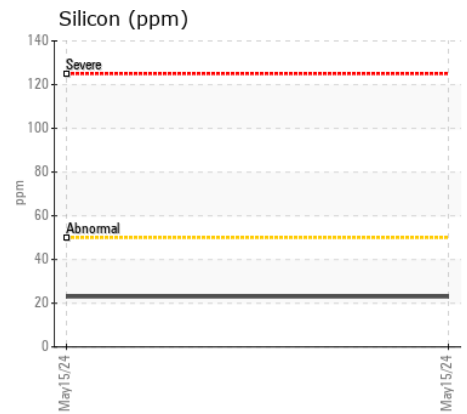
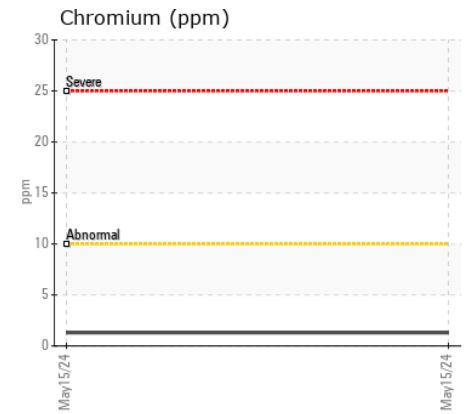
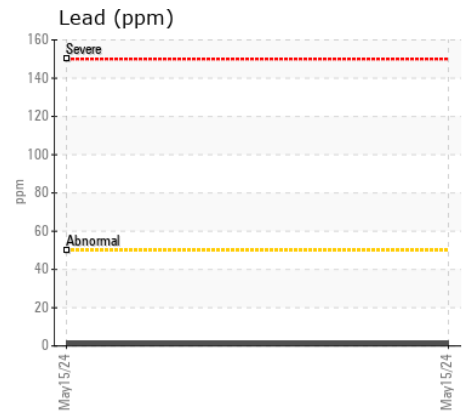
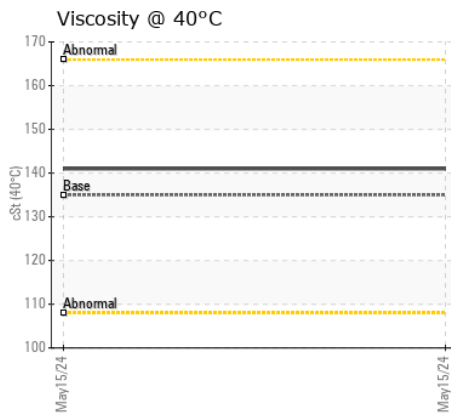
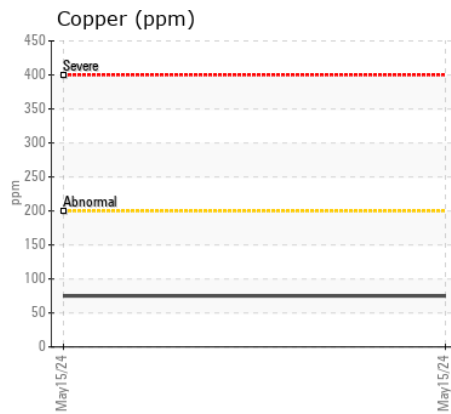
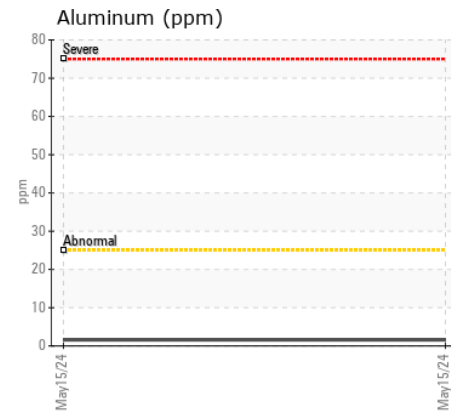
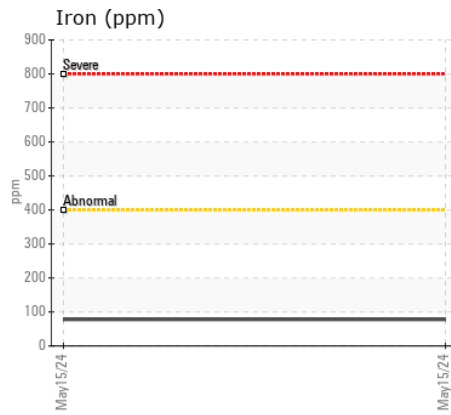
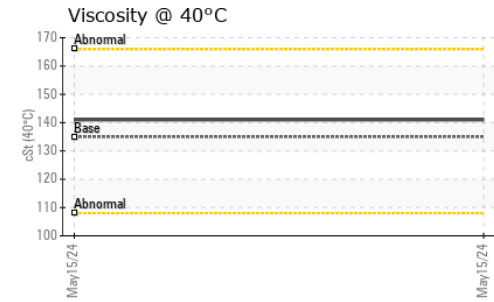
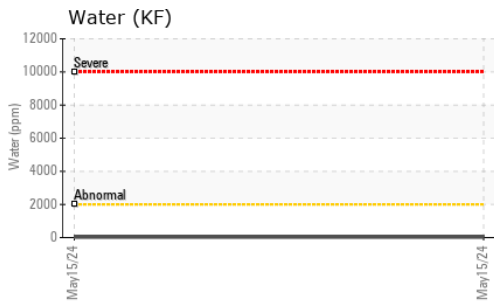
The water content is negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	23	---	---
Potassium	ppm	ASTM D5185(m)	>20	3	---	---
Water	%	ASTM D6304*	>0.2	0.003	---	---
ppm Water	ppm	ASTM D6304*	>2000	28	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	MILKY	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)	>50	2	---	---
Boron	ppm	ASTM D5185(m)	200	<1	---	---
Barium	ppm	ASTM D5185(m)	0	4	---	---
Molybdenum	ppm	ASTM D5185(m)	0	0	---	---
Manganese	ppm	ASTM D5185(m)		5	---	---
Magnesium	ppm	ASTM D5185(m)	0	<1	---	---
Calcium	ppm	ASTM D5185(m)	20	2	---	---
Phosphorus	ppm	ASTM D5185(m)	1000	278	---	---
Zinc	ppm	ASTM D5185(m)	20	51	---	---
Sulfur	ppm	ASTM D5185(m)	22000	12090	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	135	141	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0935794 **Received** : 24 May 2024
Lab Number : **02637526** **Tested** : 27 May 2024
Unique Number : 5786688 **Diagnosed** : 27 May 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: KF)

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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