



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
GROVE 7269 (S/N 69343)
Component
Swing Drive
Fluid
GEAR OIL SAE 80W90 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0030529	DC0025384	---
Sample Date		Client Info		02 Feb 2024	18 Jan 2023	---
Machine Age	hrs	Client Info		516	492	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>400	379	▲ 597	---
Chromium	ppm	ASTM D5185m	>10	2	2	---
Nickel	ppm	ASTM D5185m	>10	2	1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>25	<1	3	---
Lead	ppm	ASTM D5185m	>50	18	23	---
Copper	ppm	ASTM D5185m	>200	76	76	---
Tin	ppm	ASTM D5185m	>10	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

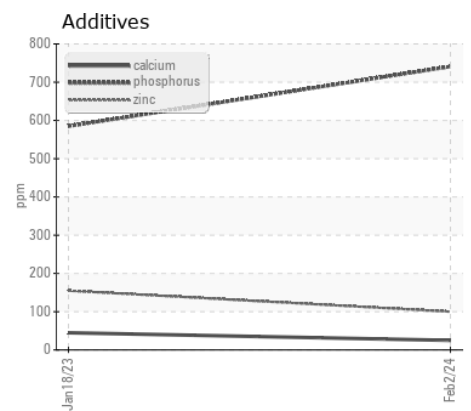
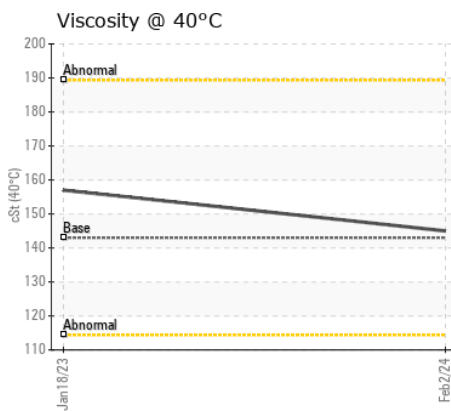
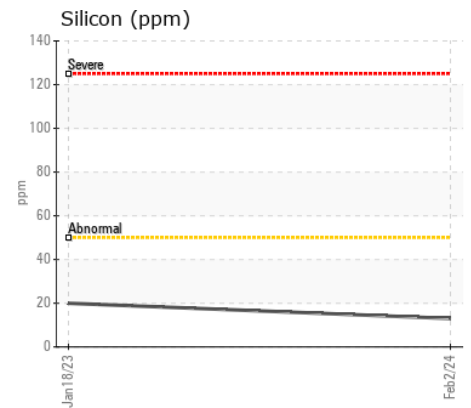
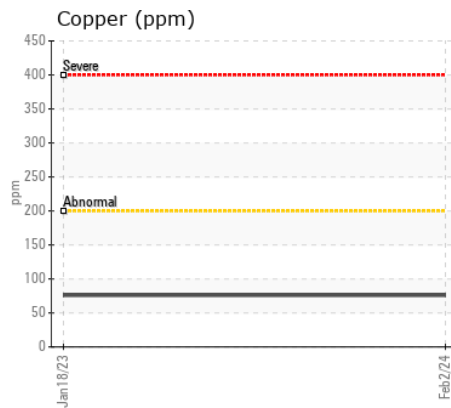
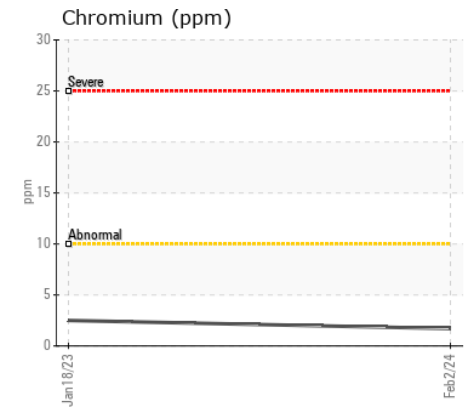
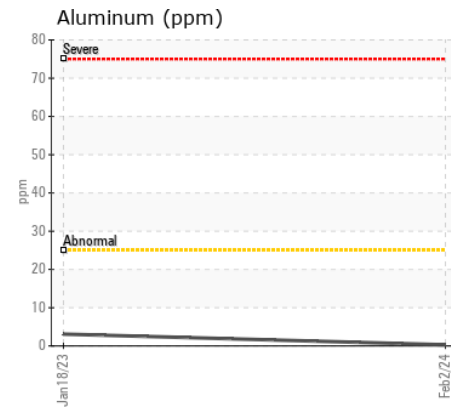
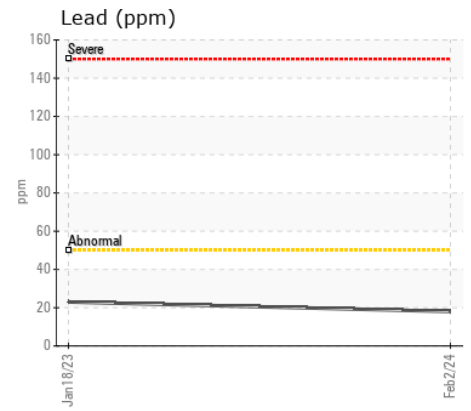
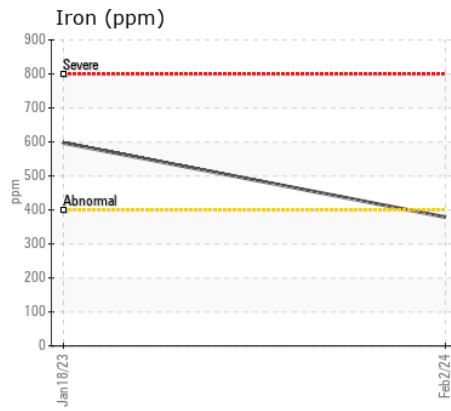
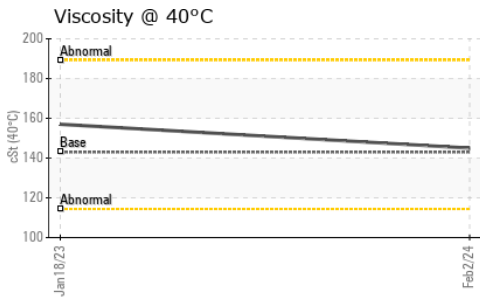
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	13	20	---
Potassium	ppm	ASTM D5185m	>20	1	<1	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	LIGHT	NONE	---
Debris	scalar	*Visual	NONE	NONE	▲ MODER	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	0.2%	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>170	0	<1	---
Boron	ppm	ASTM D5185m	400	8	6	---
Barium	ppm	ASTM D5185m	200	6	0	---
Molybdenum	ppm	ASTM D5185m	12	1	<1	---
Manganese	ppm	ASTM D5185m		4	4	---
Magnesium	ppm	ASTM D5185m	12	2	3	---
Calcium	ppm	ASTM D5185m	150	25	45	---
Phosphorus	ppm	ASTM D5185m	1650	741	585	---
Zinc	ppm	ASTM D5185m	125	100	155	---
Sulfur	ppm	ASTM D5185m	22500	23977	23741	---
Visc @ 40°C	cSt	ASTM D445	143	145	157	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0030529
Lab Number : 06099476
Unique Number : 10897706
Test Package : MOB 1

Received : 23 Feb 2024
Tested : 26 Feb 2024
Diagnosed : 26 Feb 2024 - Wes Davis

ABERDEEN PROVING GROUND
 6721 RARITON AVENUE
 ABERDEEN, MD
 US 21005
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To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)