



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Machine Id
T001275 (S/N 17-M-10-2093)
 Component
Right Final Drive
 Fluid
GEAR OIL SAE 75W140 (--- GAL)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

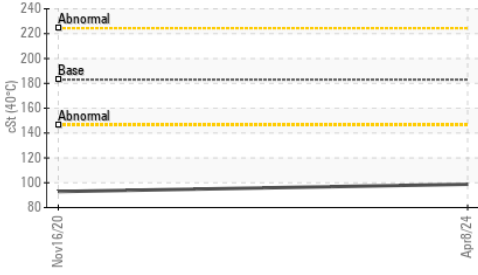
There is no indication of any contamination in the oil.

FLUID CONDITION

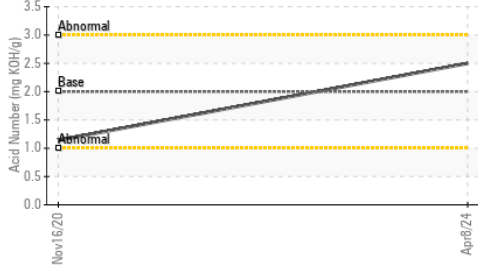
Viscosity of sample indicates oil is within SAE 75W90 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0910010	WC0507108	---
Sample Date		Client Info		08 Apr 2024	16 Nov 2020	---
Machine Age	hrs	Client Info		7355	3230	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	Not Changd	---
Filter Changed		Client Info		N/A	Not Changd	---
Sample Status				ABNORMAL	NORMAL	---
PQ		ASTM D8184*		78	---	---
Iron	ppm	ASTM D5185(m)	>500	137	445	---
Chromium	ppm	ASTM D5185(m)	>10	2	6	---
Nickel	ppm	ASTM D5185(m)	>10	<1	1	---
Titanium	ppm	ASTM D5185(m)		<1	<1	---
Silver	ppm	ASTM D5185(m)		<1	<1	---
Aluminum	ppm	ASTM D5185(m)	>25	14	2	---
Lead	ppm	ASTM D5185(m)	>25	0	<1	---
Copper	ppm	ASTM D5185(m)	>50	<1	<1	---
Tin	ppm	ASTM D5185(m)	>10	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185(m)	>75	60	9	---
Potassium	ppm	ASTM D5185(m)	>20	4	1	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
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	NEG	---
Sodium	ppm	ASTM D5185(m)		4	<1	---
Boron	ppm	ASTM D5185(m)	400	176	32	---
Barium	ppm	ASTM D5185(m)	200	0	0	---
Molybdenum	ppm	ASTM D5185(m)	12	0	1	---
Manganese	ppm	ASTM D5185(m)		<1	3	---
Magnesium	ppm	ASTM D5185(m)	12	5	1	---
Calcium	ppm	ASTM D5185(m)	150	456	62	---
Phosphorus	ppm	ASTM D5185(m)	1650	975	504	---
Zinc	ppm	ASTM D5185(m)	125	149	61	---
Sulfur	ppm	ASTM D5185(m)	22500	4838	15851	---
Acid Number (AN)	mg KOH/g	ASTM D974*	2.00	2.50	1.14	---
Visc @ 40°C	cSt	ASTM D7279(m)	183	▲ 98.8	92.9	---

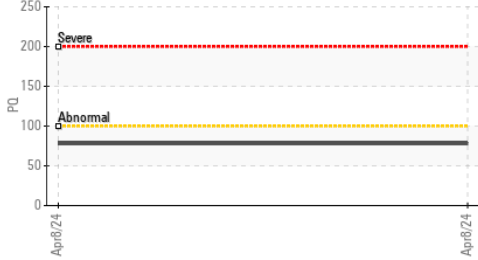
▲ Viscosity @ 40°C



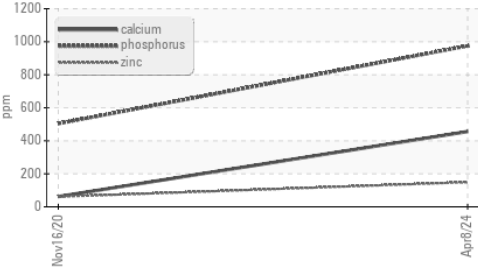
Acid Number



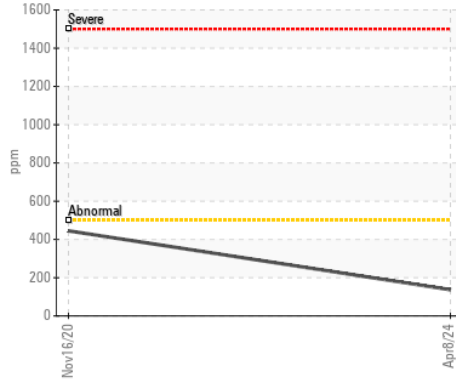
PQ



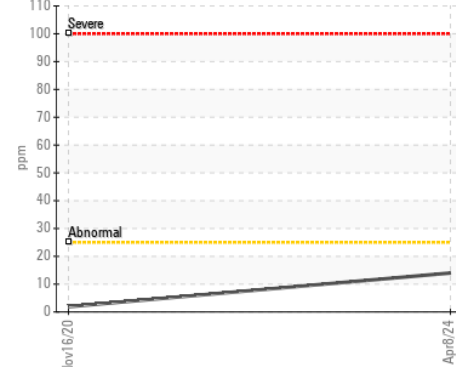
Additives



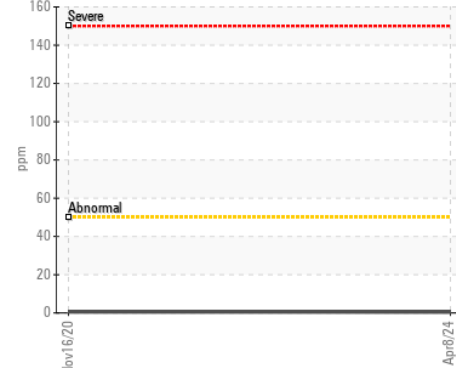
Iron (ppm)



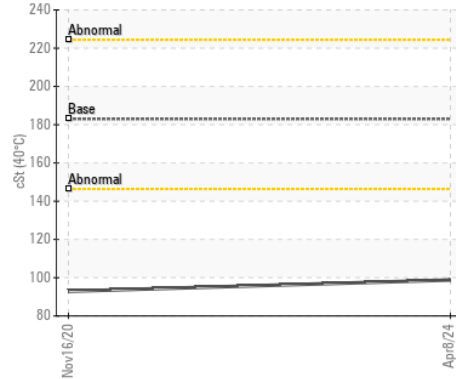
Aluminum (ppm)



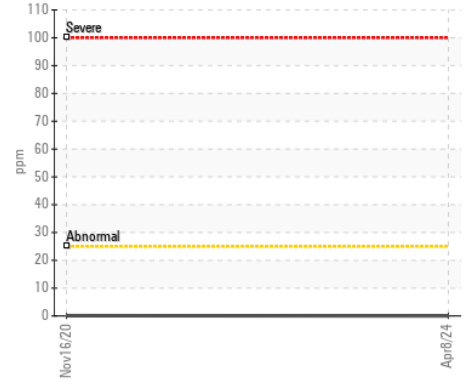
Copper (ppm)



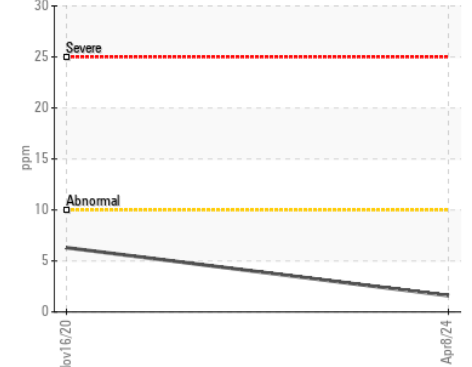
▲ Viscosity @ 40°C



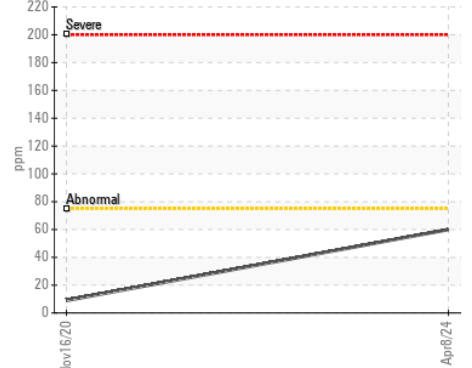
Lead (ppm)



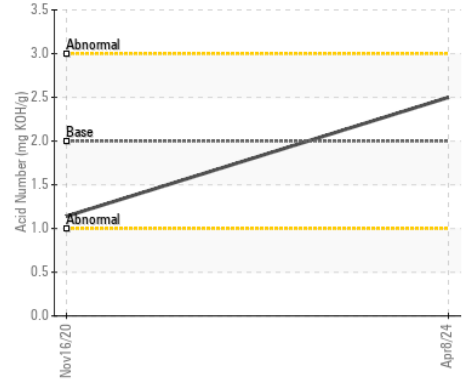
Chromium (ppm)



Silicon (ppm)



Acid Number



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0910010 **Received** : 10 Apr 2024
Lab Number : 02627942 **Tested** : 11 Apr 2024
Unique Number : 5761074 **Diagnosed** : 12 Apr 2024 - Kevin Marson
Test Package : MOB 2 (Additional Tests: PQ, TAN Man)

RWF Industries
 873 Devonshire Ave.
 Woodstock, ON
 CA N4S 8Z4
 Contact: Tami Arnold
 tamia@rwtbron.com
 T:
 F: (519)421-0028

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.