



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Area
MICHAUDVILLE
Machine Id
55101
Component
Swing Drive
Fluid
GEAR OIL SAE 90 (--- 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

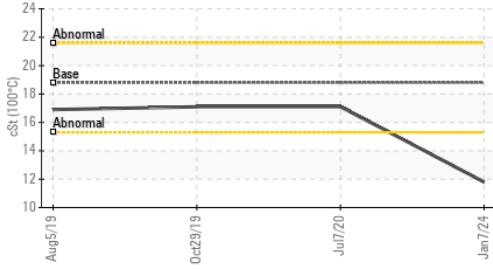
There is no indication of any contamination in the oil.

FLUID CONDITION

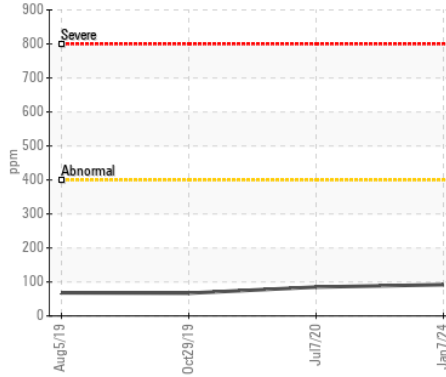
Viscosity of sample indicates oil is within SAE 30 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0072152	PC0034785	PC0019776
Sample Date		Client Info		07 Jan 2024	07 Jul 2020	29 Oct 2019
Machine Age	hrs	Client Info		5266	2278	1922
Oil Age	hrs	Client Info		0	0	1922
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changed	Changed
Filter Changed		Client Info		N/A	Not Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
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Iron	ppm	ASTM D5185(m)	>400	92	85	67
Chromium	ppm	ASTM D5185(m)	>10	<1	1	1
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	1	1	1
Lead	ppm	ASTM D5185(m)	>50	0	<1	0
Copper	ppm	ASTM D5185(m)	>200	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>10	0	<1	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
<hr/>						
Silicon	ppm	ASTM D5185(m)	>50	16	36	35
Potassium	ppm	ASTM D5185(m)	>20	3	3	2
Water		WC Method	>0.2	NEG	NEG	NEG
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*	>0.2	NEG	NEG	NEG
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Sodium	ppm	ASTM D5185(m)		2	<1	0
Boron	ppm	ASTM D5185(m)	400	35	67	67
Barium	ppm	ASTM D5185(m)	200	3	14	14
Molybdenum	ppm	ASTM D5185(m)	12	0	0	0
Manganese	ppm	ASTM D5185(m)		<1	2	2
Magnesium	ppm	ASTM D5185(m)	12	11	2	2
Calcium	ppm	ASTM D5185(m)	150	▲ 2148	10	9
Phosphorus	ppm	ASTM D5185(m)	1650	899	511	517
Zinc	ppm	ASTM D5185(m)	125	▲ 898	22	21
Sulfur	ppm	ASTM D5185(m)	22500	▲ 6518	14824	15133
Visc @ 40°C	cSt	ASTM D7279(m)	183	▲ 99.3	184	186
Visc @ 100°C	cSt	ASTM D7279(m)	18.8	▲ 11.8	17.1	17.1
Viscosity Index (VI)	Scale	ASTM D2270*	115	107	98	97

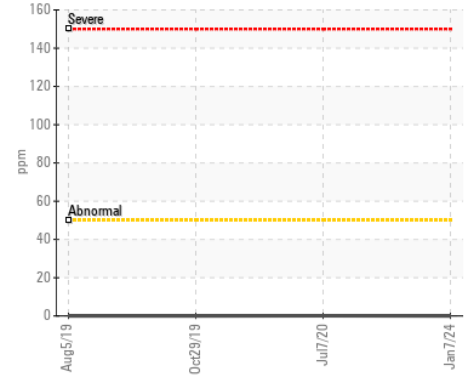
▲ Viscosity @ 100°C



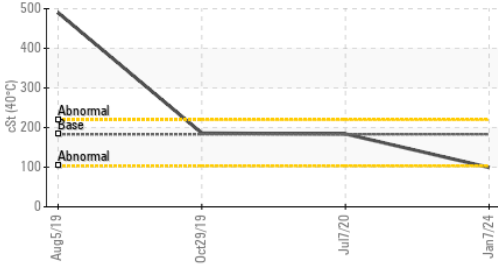
Iron (ppm)



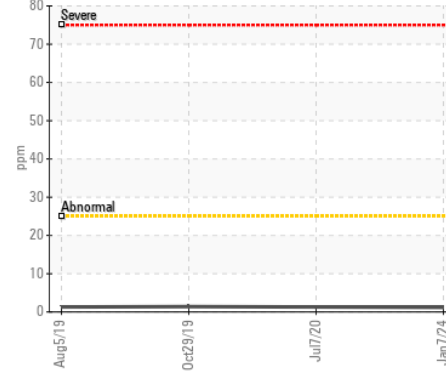
Lead (ppm)



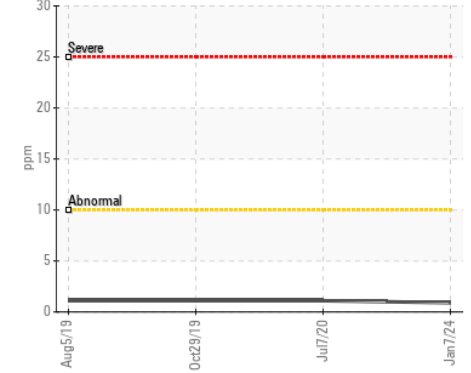
▲ Viscosity @ 40°C



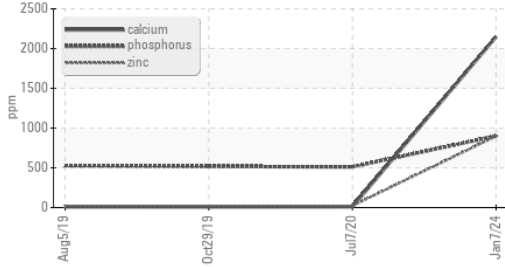
Aluminum (ppm)



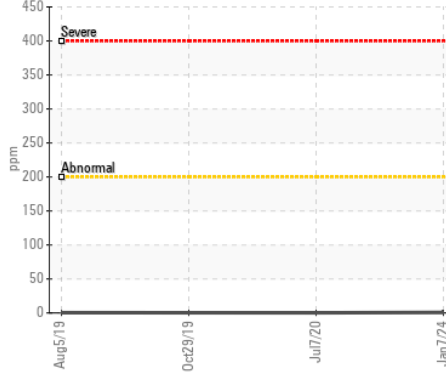
Chromium (ppm)



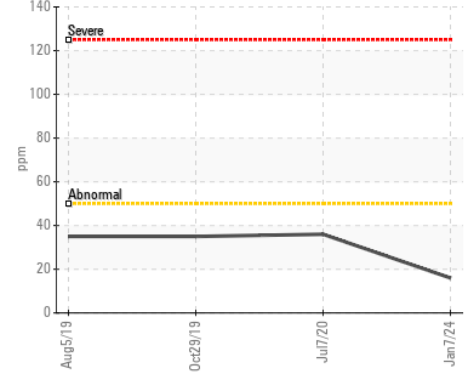
▲ Additives



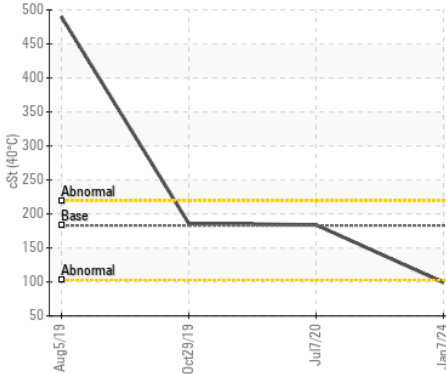
Copper (ppm)



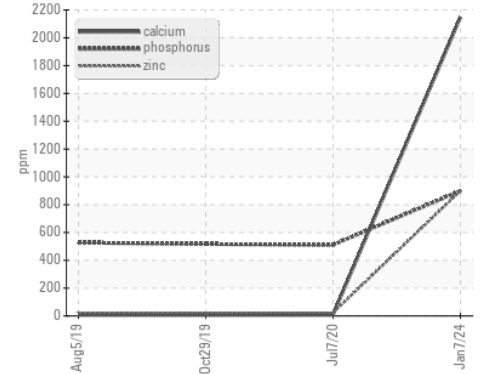
Silicon (ppm)



▲ Viscosity @ 40°C



▲ Additives



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 LES ENTREPRISES MICHAUVILLE INC.
Sample No. : PC0072152 **Received** : 08 Jan 2024
Lab Number : 02607219 **Diagnosed** : 10 Jan 2024
Unique Number : 5708305 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: KV100, VI)

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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