

Area
MICHAUDVILLE

Machine Id
5503

Component
Hydraulic System

Fluid
TDH FLUID SAE 75W80 (--- GAL)

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) TDH FLUID SAE 75W80. Please confirm. Please specify the component make and model with your next sample.

WEAR

Lead ppm levels are abnormal. Bearing and/or bushing wear is indicated.

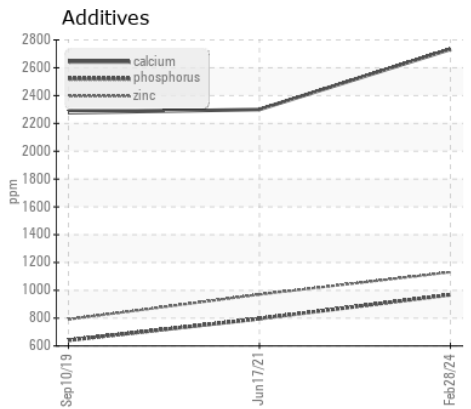
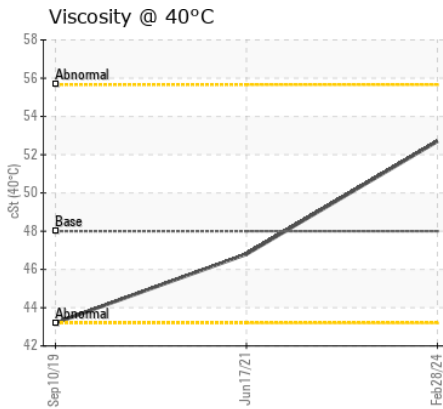
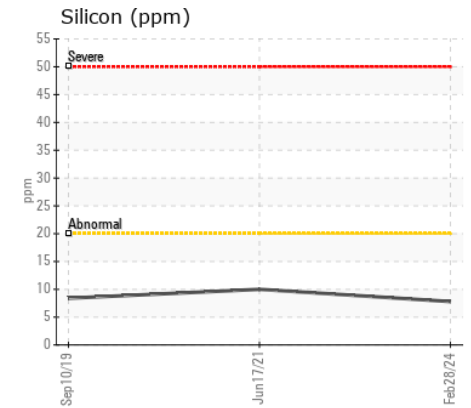
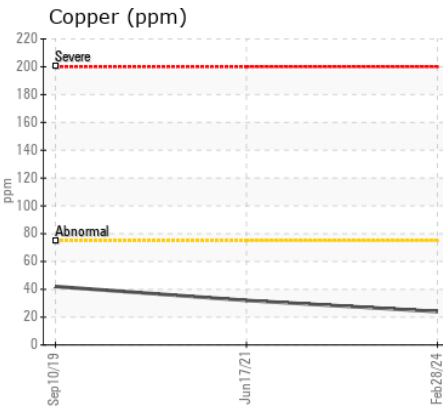
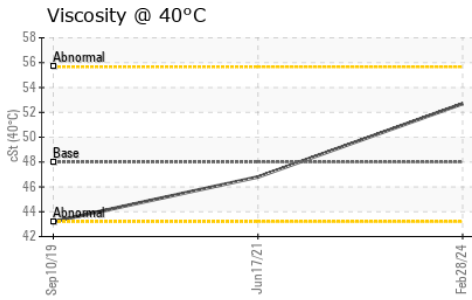
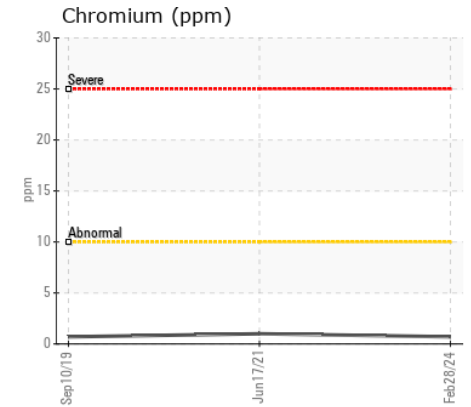
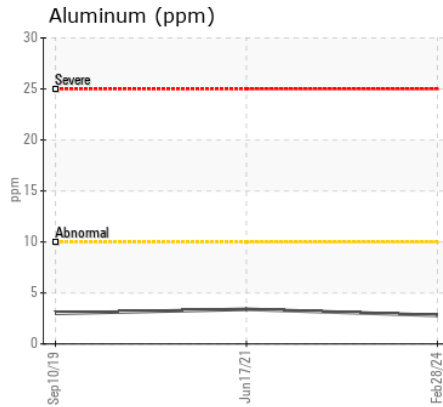
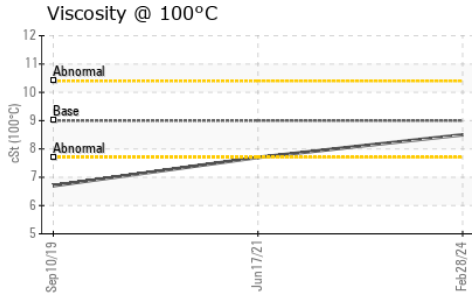
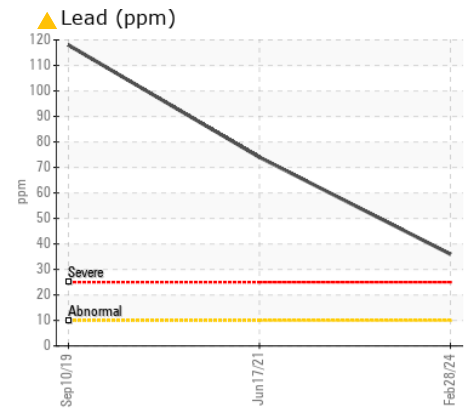
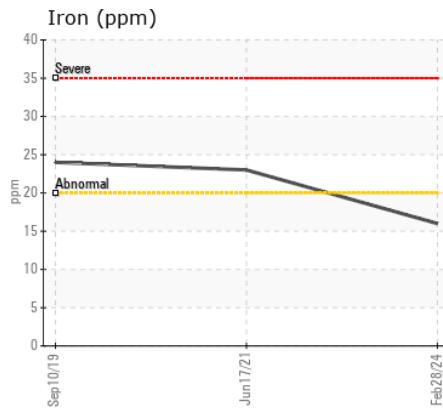
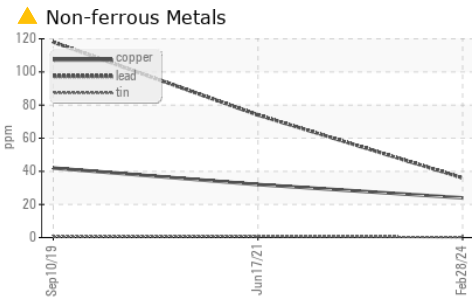
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0084349	PC0048591	PC0018961
Sample Date		Client Info		28 Feb 2024	17 Jun 2021	10 Sep 2019
Machine Age	hrs	Client Info		7652	6367	5749
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				ABNORMAL	ABNORMAL	SEVERE
Iron	ppm	ASTM D5185(m)	>20	16	23	24
Chromium	ppm	ASTM D5185(m)	>10	<1	1	<1
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)		0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>10	3	3	3
Lead	ppm	ASTM D5185(m)	>10	▲ 36	▲ 74	▲ 118
Copper	ppm	ASTM D5185(m)	>75	24	32	42
Tin	ppm	ASTM D5185(m)	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>20	8	10	8
Potassium	ppm	ASTM D5185(m)	>20	25	52	112
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	LIGHT	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	▲ MILKY
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	▲ .2%	▲ .2%
Sodium	ppm	ASTM D5185(m)		10	18	27
Boron	ppm	ASTM D5185(m)	10	19	13	32
Barium	ppm	ASTM D5185(m)	10	<1	<1	<1
Molybdenum	ppm	ASTM D5185(m)	10	10	16	19
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)	100	118	113	74
Calcium	ppm	ASTM D5185(m)	3500	2733	2300	2277
Phosphorus	ppm	ASTM D5185(m)	1150	968	796	641
Zinc	ppm	ASTM D5185(m)	1150	1130	970	791
Sulfur	ppm	ASTM D5185(m)	3000	3749	3990	4613
Visc @ 40°C	cSt	ASTM D7279(m)	48	52.7	46.8	43.2
Visc @ 100°C	cSt	ASTM D7279(m)	9.0	8.5	7.7	6.7
Viscosity Index (VI)	Scale	ASTM D2270*	171	136	131	108



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0084349
Lab Number : 02618979
Unique Number : 5736089
Test Package : MOB 1 (Additional Tests: KV100, VI)

LES ENTREPRISES MICHAUVILLE INC.
 270 RUE BRUNET
 MONT ST-HILAIRE, QC
 CA J3H 0M6
 Contact: Martin Trudel
 mtrudel@michaudville.com

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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