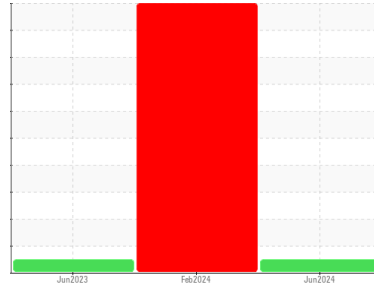




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
411-7201
 Component
Diesel Engine
 Fluid
CHEVRON 15W40 (--- GAL)

DIAGNOSIS

Recommendation

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

Test for glycol is negative. There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0914649	WC0423840	WC0423835
Sample Date	Client Info			01 Jun 2024	26 Feb 2024	27 Jun 2023
Machine Age	hrs	Client Info		0	24000	0
Oil Age	hrs	Client Info		500	500	0
Oil Changed	Client Info			N/A	Changed	N/A
Sample Status				NORMAL	SEVERE	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>5		<1.0	<1.0	<1.0
Water	WC Method	>0.2		NEG	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	24	9	26
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<1	1	2
Lead	ppm	ASTM D5185(m)	>40	7	1	9
Copper	ppm	ASTM D5185(m)	>330	3	6	7
Tin	ppm	ASTM D5185(m)	>15	<1	0	<1
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

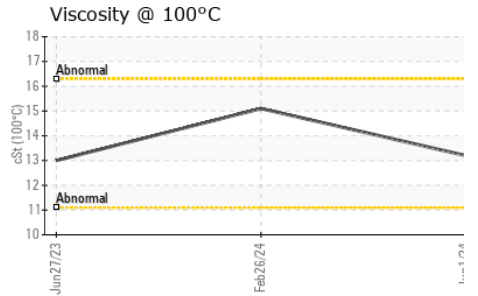
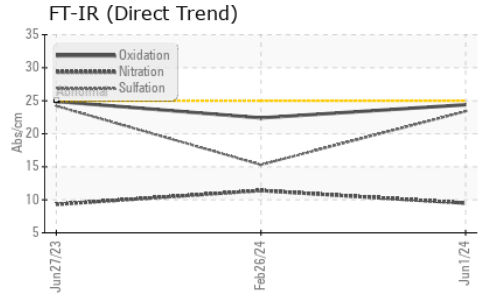
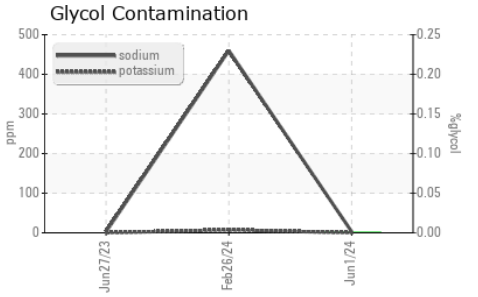
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		44	91	41
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		43	49	41
Manganese	ppm	ASTM D5185(m)		<1	0	<1
Magnesium	ppm	ASTM D5185(m)		503	453	497
Calcium	ppm	ASTM D5185(m)		1697	1533	1640
Phosphorus	ppm	ASTM D5185(m)		721	675	790
Zinc	ppm	ASTM D5185(m)		847	808	879
Sulfur	ppm	ASTM D5185(m)		2018	2044	2074
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	3	12	5
Sodium	ppm	ASTM D5185(m)	>50	3	460	3
Potassium	ppm	ASTM D5185(m)	>20	0	8	0
Glycol	%	ASTM D7922*		0.0	>.70	NEG

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.2	0.2	0.3
Nitration	Abs/cm	ASTM D7624*	>20	9.5	11.4	9.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.4	15.3	24.2



OIL ANALYSIS REPORT

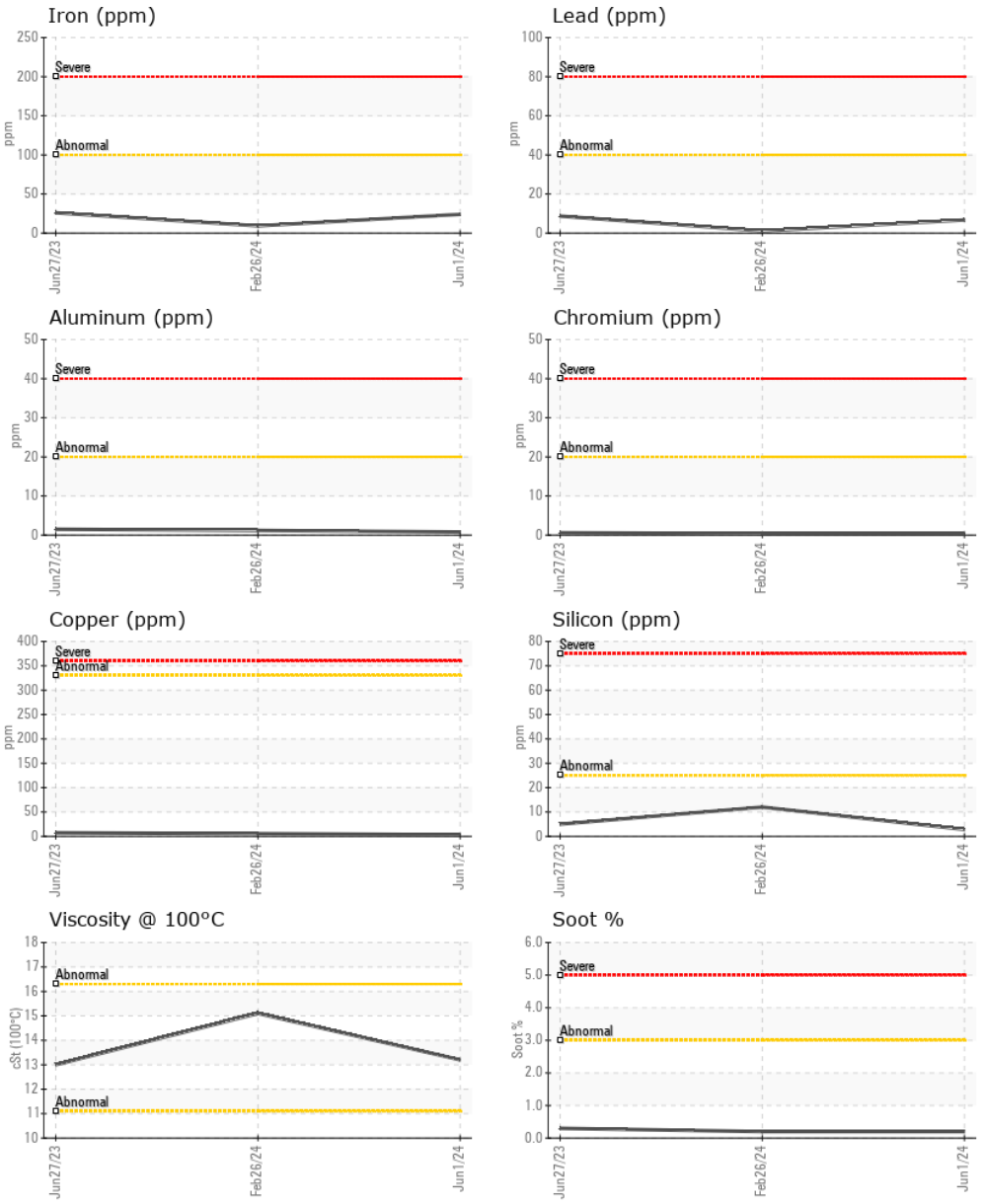


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	24.4	22.4	24.9

VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	▲ .2%	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)		13.2	15.1	13.0

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0914649
Lab Number : **02641310**
Unique Number : 5798849
Test Package : MOB 1
Received : 12 Jun 2024
Tested : 12 Jun 2024
Diagnosed : 12 Jun 2024 - Wes Davis

E.C. KING CONTRACTING
 2125 - 20TH AVENUE EAST
 OWEN SOUND, ON
 CA N4K 5P7
 Contact: Daniel Fleet
 daniel.fleet@millergroup.ca
 T:
 F: (519)371-2783

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.