MOB I

WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
7519
Component
Diesel Engine
Fluid
CHEVRON DELO 400 SAE 10W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

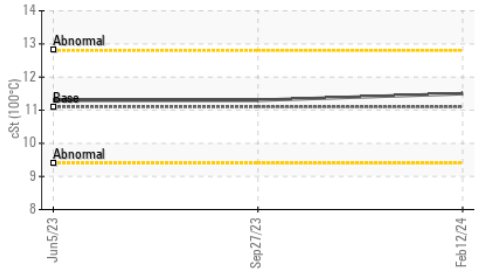
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

FLUID CONDITION

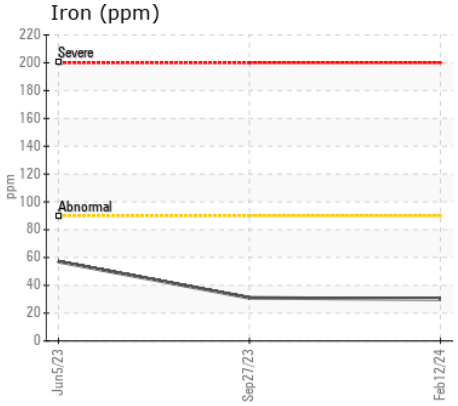
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**WC0553868**	WC0737813	WC0553870
Sample Date		Client Info		**12 Feb 2024**	27 Sep 2023	05 Jun 2023
Machine Age	kms	Client Info		**163648**	11458	53943
Oil Age	kms	Client Info		**50000**	58000	53943
Filter Age	kms	Client Info		**50000**	58000	53943
Oil Changed		Client Info		**Changed**	Changed	Changed
Filter Changed		Client Info		**Changed**	Changed	Changed
Sample Status				**NORMAL**	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>90	**30**	31	57
Chromium	ppm	ASTM D5185(m)	>20	**1**	2	1
Nickel	ppm	ASTM D5185(m)	>2	**<1**	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	**0**	0	0
Silver	ppm	ASTM D5185(m)	>2	**0**	<1	1
Aluminum	ppm	ASTM D5185(m)	>20	**4**	18	15
Lead	ppm	ASTM D5185(m)	>40	**6**	10	6
Copper	ppm	ASTM D5185(m)	>330	**2**	11	29
Tin	ppm	ASTM D5185(m)	>15	**<1**	2	3
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Silicon	ppm	ASTM D5185(m)	>25	**4**	12	37
Potassium	ppm	ASTM D5185(m)	>20	**7**	55	48
Fuel		WC Method	>3.0	**<1.0**	<1.0	<1.0
Water		WC Method	>0.2	**NEG**	NEG	NEG
Glycol		WC Method		**NEG**	NEG	NEG
Soot %	%	ASTM D7844*	>6	**0.7**	0.3	0.2
Nitration	Abs/cm	ASTM D7624*	>20	**11.3**	9.8	8.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	**25.4**	22.3	21.8
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185(m)		**3**	3	5
Boron	ppm	ASTM D5185(m)		**25**	21	47
Barium	ppm	ASTM D5185(m)		**0**	<1	4
Molybdenum	ppm	ASTM D5185(m)		**5**	7	67
Manganese	ppm	ASTM D5185(m)		**0**	<1	5
Magnesium	ppm	ASTM D5185(m)		**752**	717	463
Calcium	ppm	ASTM D5185(m)		**1402**	1367	1795
Phosphorus	ppm	ASTM D5185(m)	1260	**713**	699	958
Zinc	ppm	ASTM D5185(m)	1400	**796**	808	1216
Sulfur	ppm	ASTM D5185(m)		**2615**	2383	2360
Oxidation	Abs/.1mm	ASTM D7414*	>25	**20.4**	17.1	18.4
Visc @ 100°C	cSt	ASTM D7279(m)	11.1	**11.5**	11.3	11.3

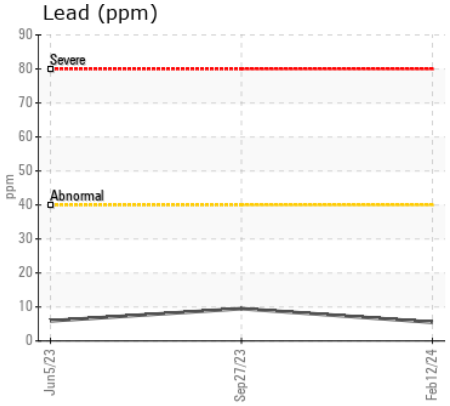
Viscosity @ 100°C



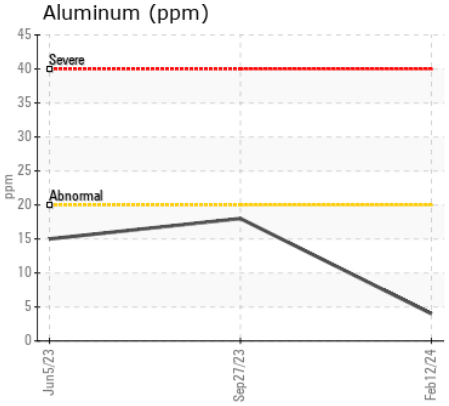
Iron (ppm)



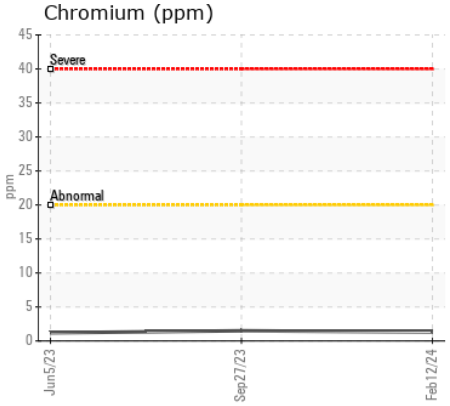
Lead (ppm)



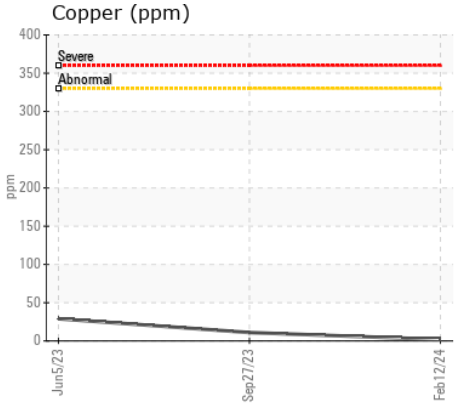
Aluminum (ppm)



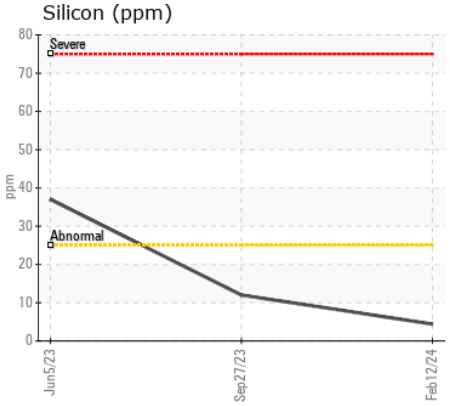
Chromium (ppm)



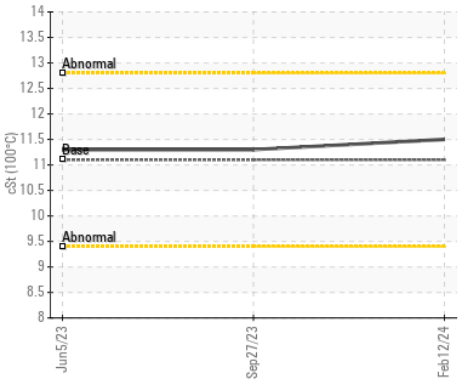
Copper (ppm)



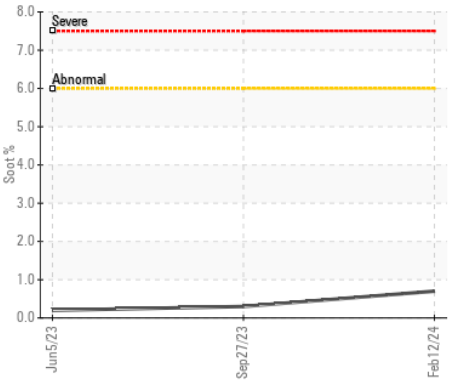
Silicon (ppm)



Viscosity @ 100°C



Soot %



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0553868
Lab Number : 02617348
Unique Number : 5734458
Test Package : MOB 1

Received : 22 Feb 2024
Tested : 22 Feb 2024
Diagnosed : 22 Feb 2024 - Wes Davis

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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