MOBIL LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
CATERPILLAR 256-1700
Component
Pump Drive
Fluid
GEAR OIL ISO 220 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

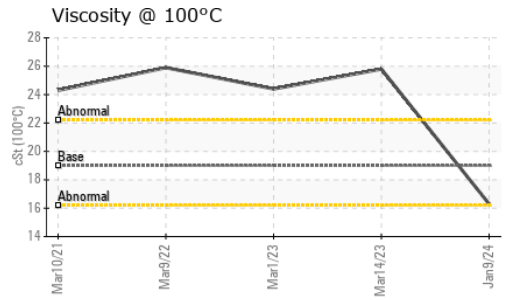
CONTAMINATION

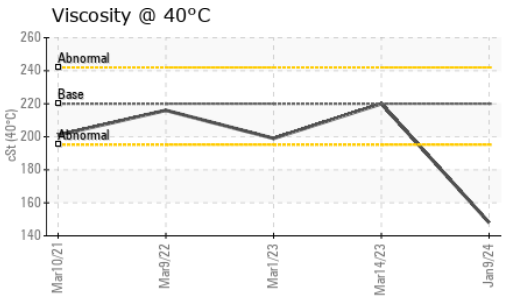
There is no indication of any contamination in the oil.

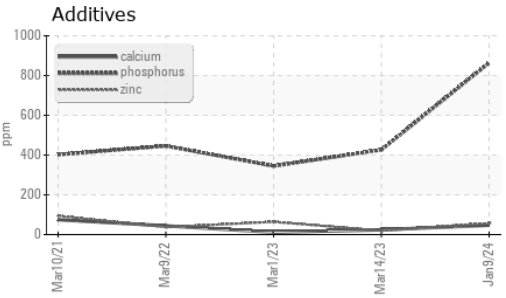
FLUID CONDITION

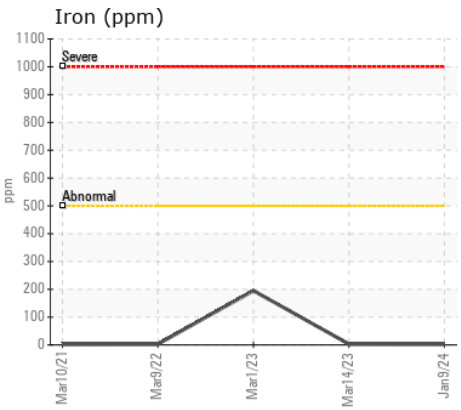
The condition of the oil is acceptable for the time in service.

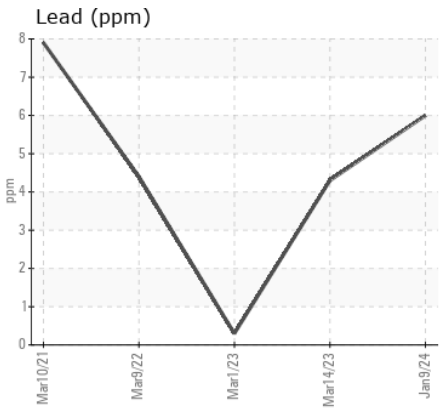
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0084923	PC0071416	PC0071412
Sample Date		Client Info		09 Jan 2024	14 Mar 2023	01 Mar 2023
Machine Age	hrs	Client Info		5195	4551	4551
Oil Age	hrs	Client Info		0	756	756
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL
Iron	ppm	ASTM D5185(m)	>500	2	3	195
Chromium	ppm	ASTM D5185(m)	>15	0	0	1
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	3	3	<1
Lead	ppm	ASTM D5185(m)		6	4	<1
Copper	ppm	ASTM D5185(m)	>35	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>4	0	0	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
Silicon	ppm	ASTM D5185(m)	>75	10	13	2
Potassium	ppm	ASTM D5185(m)	>20	<1	1	0
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	MODER
Debris	scalar	Visual*	NONE	NONE	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	▲ .2%
Sodium	ppm	ASTM D5185(m)		1	3	0
Boron	ppm	ASTM D5185(m)	50	180	15	4
Barium	ppm	ASTM D5185(m)	15	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	15	2	<1	0
Manganese	ppm	ASTM D5185(m)		0	<1	3
Magnesium	ppm	ASTM D5185(m)	50	39	11	<1
Calcium	ppm	ASTM D5185(m)	50	47	24	12
Phosphorus	ppm	ASTM D5185(m)	350	864	426	345
Zinc	ppm	ASTM D5185(m)	100	57	19	64
Sulfur	ppm	ASTM D5185(m)	12500	14002	4633	4546
Visc @ 40°C	cSt	ASTM D7279(m)	220	148	220	199
Visc @ 100°C	cSt	ASTM D7279(m)	19.0	16.3	25.8	24.4
Viscosity Index (VI)	Scale	ASTM D2270*	96	116	149	152

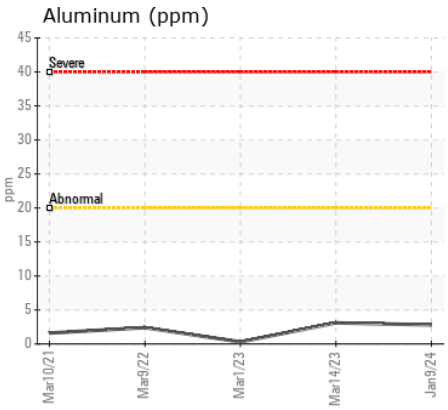


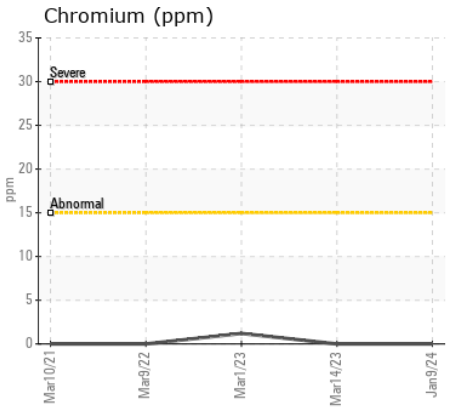


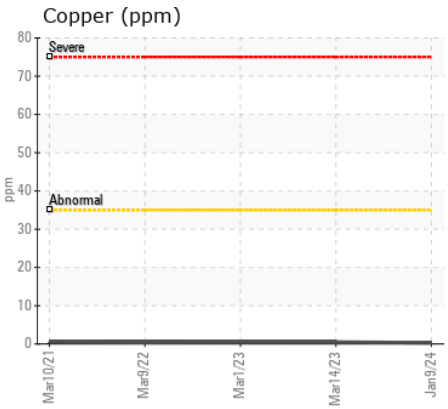


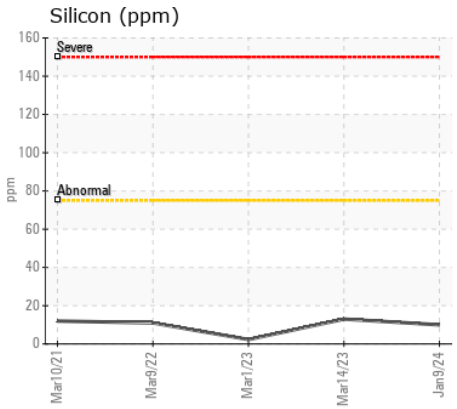


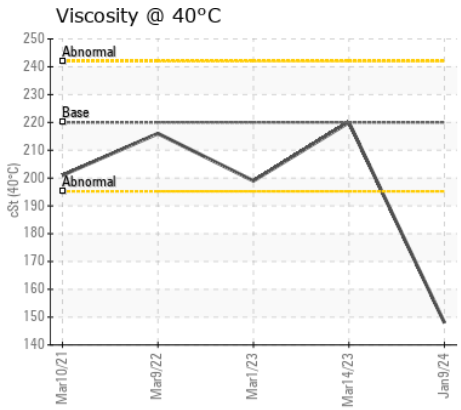


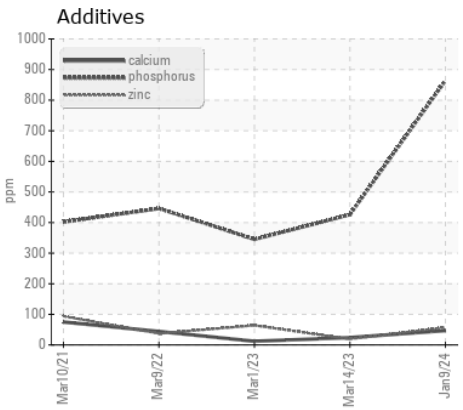












ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9		
Sample No.	: PC0084923	**Recieved**	: 12 Jan 2024
Lab Number	: 02608608	**Diagnosed**	: 14 Jan 2024
Unique Number	: 5709694	**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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