



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
CATERPILLAR 256-1700
Component
Right Final 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

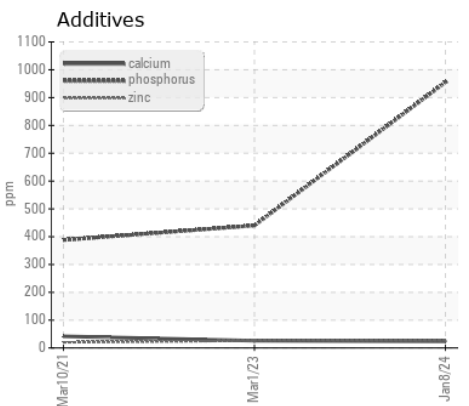
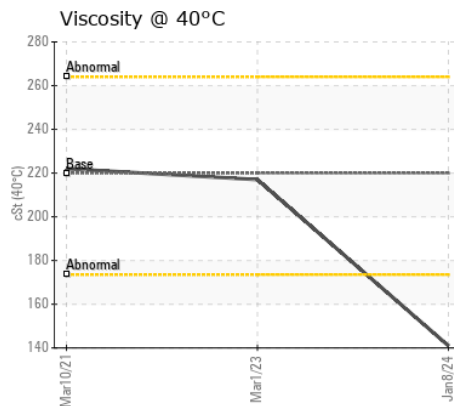
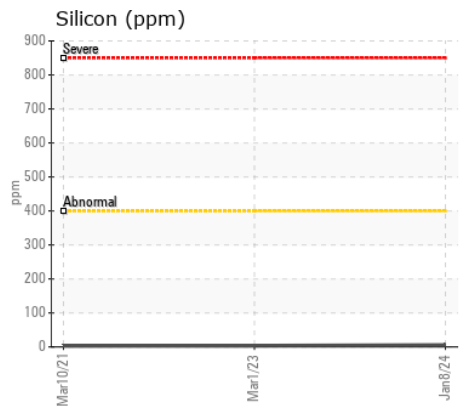
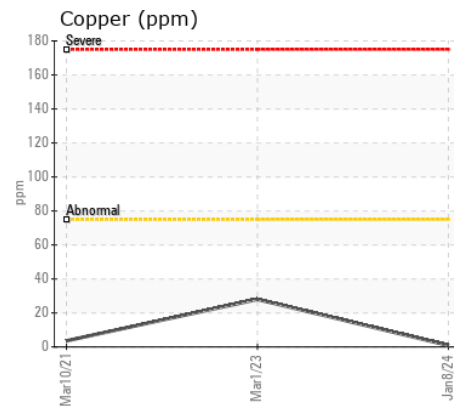
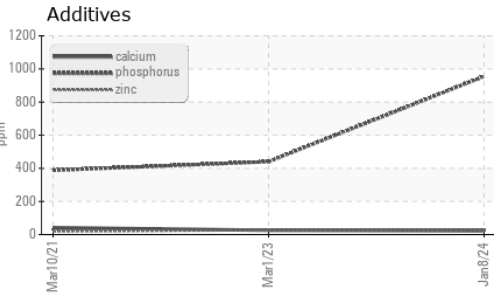
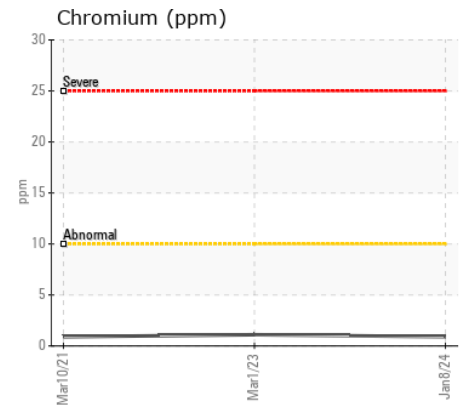
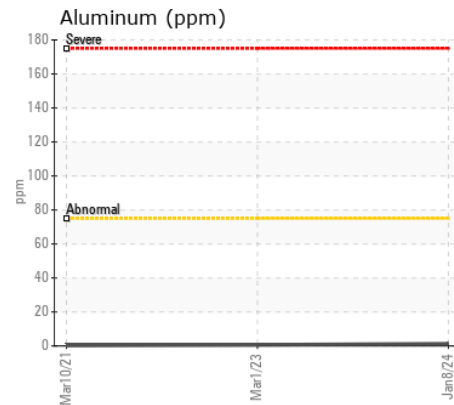
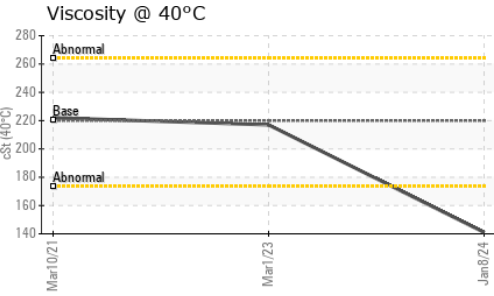
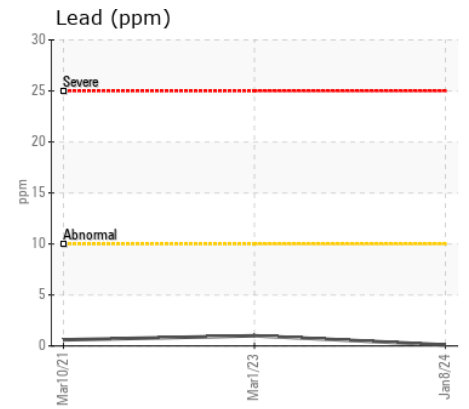
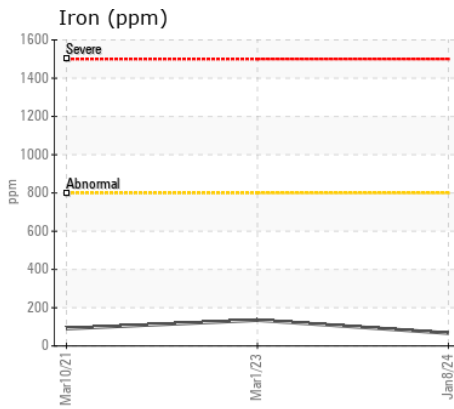
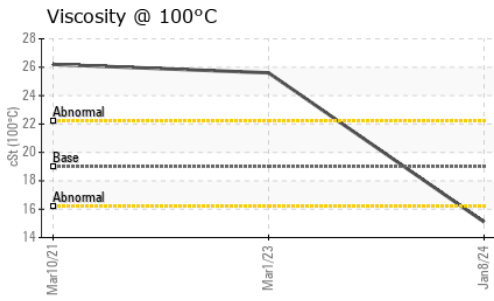
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0072504	PC0071408	PC0043380
Sample Date		Client Info		08 Jan 2024	01 Mar 2023	10 Mar 2021
Machine Age	hrs	Client Info		5195	4551	3070
Oil Age	hrs	Client Info		0	756	818
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

Iron	ppm	ASTM D5185(m)	>800	67	135	91
Chromium	ppm	ASTM D5185(m)	>10	<1	1	<1
Nickel	ppm	ASTM D5185(m)	>5	0	<1	<1
Titanium	ppm	ASTM D5185(m)	>15	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>75	1	<1	<1
Lead	ppm	ASTM D5185(m)	>10	<1	1	<1
Copper	ppm	ASTM D5185(m)	>75	<1	28	4
Tin	ppm	ASTM D5185(m)	>8	0	2	1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185(m)	>400	6	4	4
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	LIGHT	VLITE
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

Sodium	ppm	ASTM D5185(m)		<1	<1	<1
Boron	ppm	ASTM D5185(m)	50	224	18	11
Barium	ppm	ASTM D5185(m)	15	<1	0	<1
Molybdenum	ppm	ASTM D5185(m)	15	0	<1	<1
Manganese	ppm	ASTM D5185(m)		<1	2	1
Magnesium	ppm	ASTM D5185(m)	50	11	8	<1
Calcium	ppm	ASTM D5185(m)	50	23	26	42
Phosphorus	ppm	ASTM D5185(m)	350	955	440	388
Zinc	ppm	ASTM D5185(m)	100	25	26	20
Sulfur	ppm	ASTM D5185(m)	12500	16607	4759	5496
Visc @ 40°C	cSt	ASTM D7279(m)	220	141	217	222
Visc @ 100°C	cSt	ASTM D7279(m)	19.0	15.1	25.6	26.2
Viscosity Index (VI)	Scale	ASTM D2270*	96	108	149	150



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0072504 **Received** : 12 Jan 2024
Lab Number : 02608582 **Diagnosed** : 12 Jan 2024
Unique Number : 5709668 **Diagnostician** : Wes Davis
Test Package : MOB 1 (Additional Tests: KV100, VI)

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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.