MOBIL LUBE 360 OIL DIAGNOSTICS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Machine Id
CATERPILLAR 256-1700
Component
Left Auger 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

Viscosity of sample indicates oil is within SAE 80W90 range, advise investigate. The condition of the oil is acceptable for the time in service.

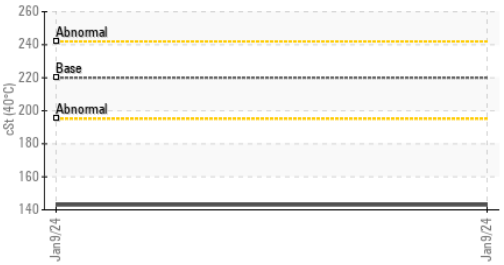
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0072508	---	---
Sample Date		Client Info		09 Jan 2024	---	---
Machine Age	hrs	Client Info		5195	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185(m)	>200	36	---	---
Chromium	ppm	ASTM D5185(m)	>10	<1	---	---
Nickel	ppm	ASTM D5185(m)	>10	0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)		<1	---	---
Lead	ppm	ASTM D5185(m)		0	---	---
Copper	ppm	ASTM D5185(m)		<1	---	---
Tin	ppm	ASTM D5185(m)		0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Silicon	ppm	ASTM D5185(m)		3	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Water		WC Method	>0.2	NEG	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
Sodium	ppm	ASTM D5185(m)		<1	---	---
Boron	ppm	ASTM D5185(m)	50	202	---	---
Barium	ppm	ASTM D5185(m)	15	0	---	---
Molybdenum	ppm	ASTM D5185(m)	15	0	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)	50	4	---	---
Calcium	ppm	ASTM D5185(m)	50	9	---	---
Phosphorus	ppm	ASTM D5185(m)	350	936	---	---
Zinc	ppm	ASTM D5185(m)	100	78	---	---
Sulfur	ppm	ASTM D5185(m)	12500	16380	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	220	▲ 143	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	19.0	▲ 15.3	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	96	109	---	---

Report Id: LAVCLI [WCAMIS] 02608585 (Generated: 01/14/2024 05:53:06) Rev: 1

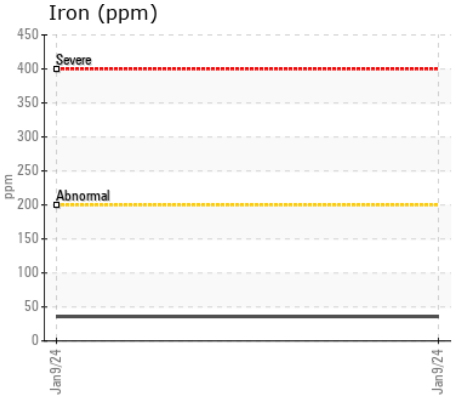
Contact/Location: Doug Francis - LAVCLI

Viscosity @ 100°C

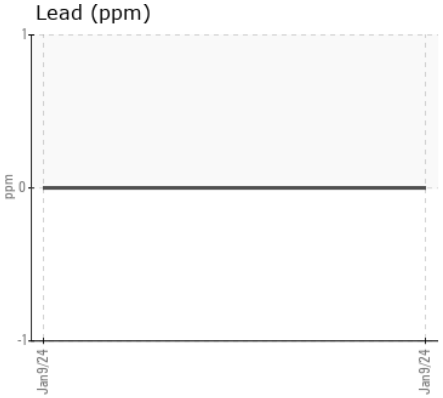
Viscosity @ 40°C



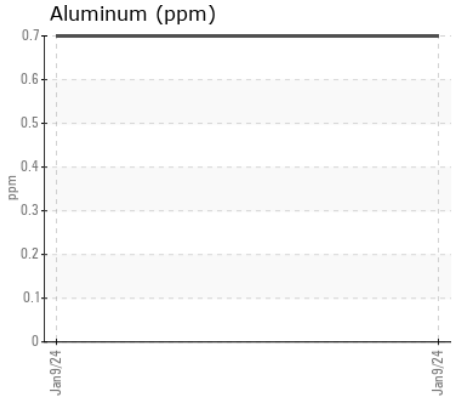
Iron (ppm)



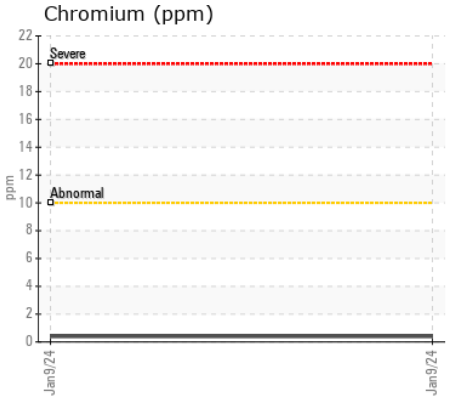
Lead (ppm)



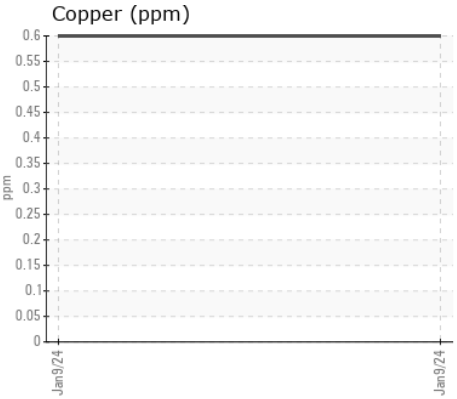
Aluminum (ppm)



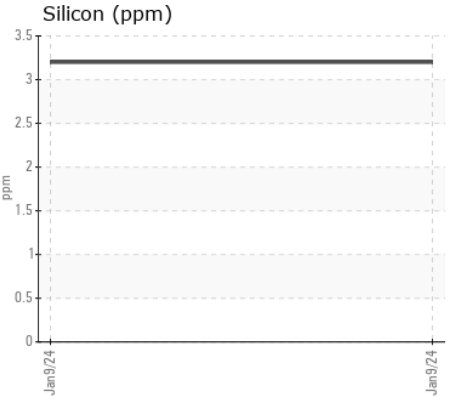
Chromium (ppm)



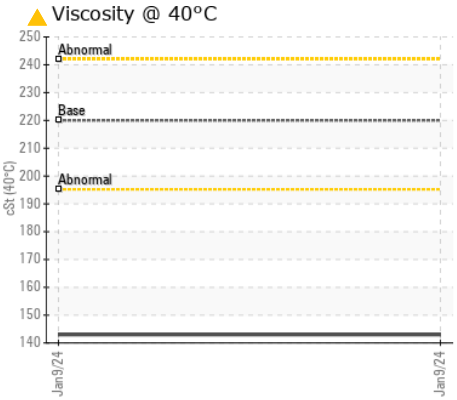
Copper (ppm)



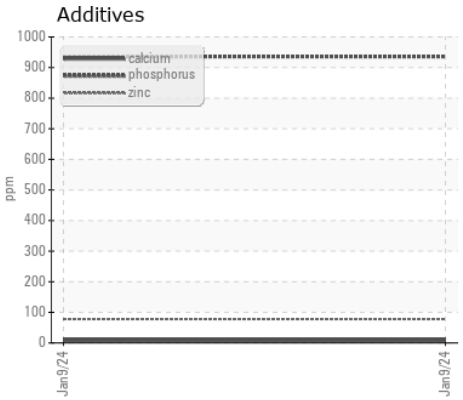
Silicon (ppm)



Viscosity @ 40°C



Additives



ISO 17025:2017 Accredited Laboratory

Laboratory	: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9		
Sample No.	: PC0072508	**Recieved**	: 12 Jan 2024
Lab Number	: 02608585	**Diagnosed**	: 14 Jan 2024
Unique Number	: 5709671	**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.

LAVIS CONTRACTING
37462A HURON ROAD
CLINTON, ON
CA N0M 1L0
Contact: Doug Francis
dfrancis@lavis.ca
T: (519)482-3694
F: (519)482-7886