CONST

CHALMERS Lubrication Service
(704) 660-LUBE(5823)

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
CATERPILLAR 950K PML-2 (S/N VR4A00551)
Component
Transmission (Manual)
Fluid
TDTO FLUID SAE 30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the fluid.

FLUID CONDITION

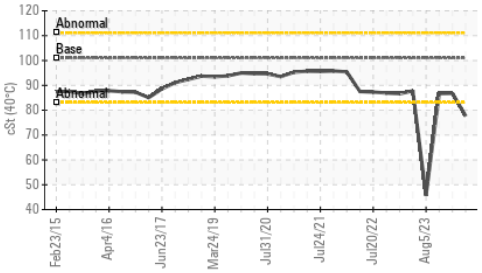
The condition of the fluid is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		CL0005482	CL0005117	CL0004869
Sample Date		Client Info		18 May 2024	31 Jan 2024	25 Oct 2023
Machine Age	hrs	Client Info		21027	20510	19975
Oil Age	hrs	Client Info		21027	20510	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	NORMAL	ATTENTION
Iron	ppm	ASTM D5185m	>200	16	19	23
Chromium	ppm	ASTM D5185m	>5	<1	0	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>7	0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	1	<1
Lead	ppm	ASTM D5185m	>45	12	10	11
Copper	ppm	ASTM D5185m	>225	110	105	132
Tin	ppm	ASTM D5185m	>10	5	3	3
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>125	5	7	10
Potassium	ppm	ASTM D5185m	>20	0	0	2
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
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	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		5	11	11
Boron	ppm	ASTM D5185m	37	1	<1	4
Barium	ppm	ASTM D5185m	7	<1	0	<1
Molybdenum	ppm	ASTM D5185m	5	4	1	2
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	40	27	26	31
Calcium	ppm	ASTM D5185m	2650	3408	2893	3751
Phosphorus	ppm	ASTM D5185m	1050	1123	1095	1403
Zinc	ppm	ASTM D5185m	1075	1241	1276	1624
Sulfur	ppm	ASTM D5185m	5750	7739	6476	10133
Visc @ 40°C	cSt	ASTM D445	101	77.7	86.8	86.7

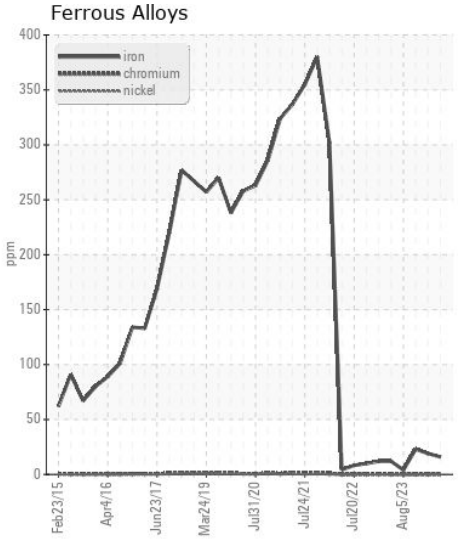
Report Id: PEDMOO [WUSCAR] 06191393 (Generated: 05/28/2024 15:03:49) Rev: 1

Submitted By: JEFF CHALMERS

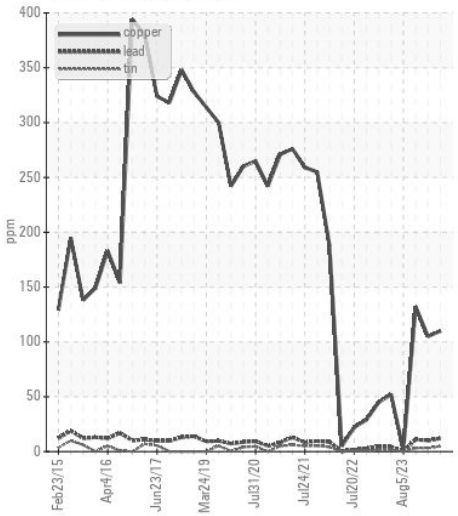
Viscosity @ 40°C



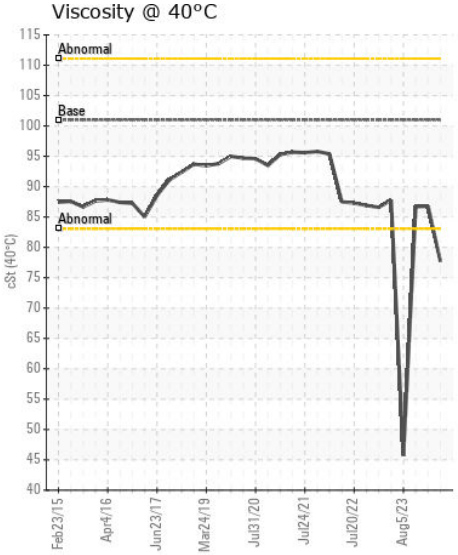
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : CL0005482
Lab Number : 06191393
Unique Number : 11048145
Test Package : CONST

Received : 24 May 2024
Tested : 28 May 2024
Diagnosed : 28 May 2024 - Wes Davis

Certificate L2367

To discuss this sample report, contact Customer Service at 1-800-237-1369.
** - Denotes test methods that are outside of the ISO 17025 scope of accreditation.*
Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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