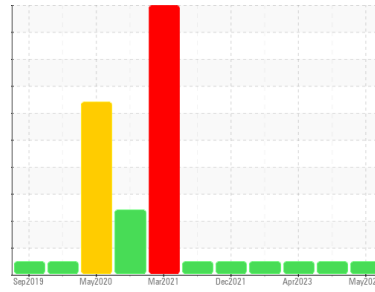




OIL ANALYSIS REPORT

Area
OKLAHOMA/102/EG - EXCAVATOR
 Machine Id
20.409L [OKLAHOMA^102^EG - EXCAVATOR]
 Component
Right Final Drive
 Fluid
MOBIL MOBILTRANS HD 50 (--- GAL)

Sample Rating Trend



NORMAL

DIAGNOSIS

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.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0908855	WC0800925	WC0686941
Sample Date	Client Info	13 May 2024	24 Jul 2023	13 Apr 2023
Machine Age	hrs	5838	5119	4760
Oil Age	hrs	633	359	1010
Oil Changed	Client Info	N/A	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.2	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >800	355	334	754
Chromium	ppm	ASTM D5185m >10	2	2	4
Nickel	ppm	ASTM D5185m >5	<1	0	<1
Titanium	ppm	ASTM D5185m >15	2	1	3
Silver	ppm	ASTM D5185m >2	<1	0	<1
Aluminum	ppm	ASTM D5185m >75	11	21	47
Lead	ppm	ASTM D5185m >10	<1	0	0
Copper	ppm	ASTM D5185m >75	1	<1	1
Tin	ppm	ASTM D5185m >8	<1	0	0
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	<1	0	0

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	4	8	10
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	3	4	4
Manganese	ppm	ASTM D5185m	3	3	6
Magnesium	ppm	ASTM D5185m	26	39	33
Calcium	ppm	ASTM D5185m	3398	3103	3346
Phosphorus	ppm	ASTM D5185m	1038	1068	1118
Zinc	ppm	ASTM D5185m	1146	1329	1373
Sulfur	ppm	ASTM D5185m	12128	9916	10162

CONTAMINANTS

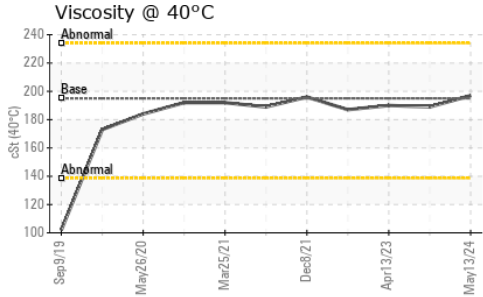
method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >400	84	108	255
Sodium	ppm	ASTM D5185m	0	2	3
Potassium	ppm	ASTM D5185m >20	5	4	12

VISUAL

method	limit/base	current	history1	history2	
White Metal	scalar	*Visual NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
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 >0.2	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG



OIL ANALYSIS REPORT



FLUID PROPERTIES

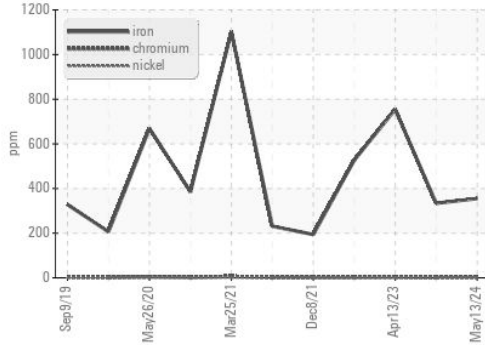
method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	195	197	189	190

SAMPLE IMAGES

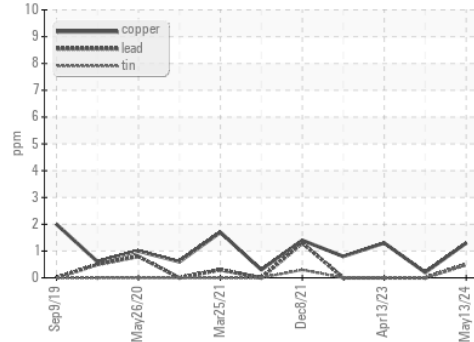
method	limit/base	current	history1	history2
Color		<i>no image</i>	<i>no image</i>	<i>no image</i>
Bottom		<i>no image</i>	<i>no image</i>	<i>no image</i>

GRAPHS

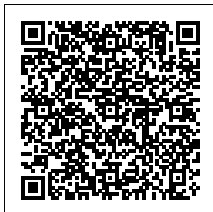
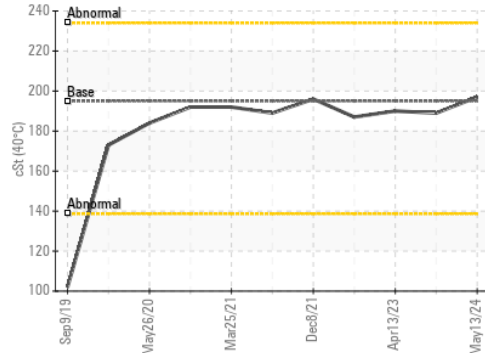
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367
 To discuss this sample report, contact Customer Service at 1-800-237-1369.

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0908855
Lab Number : 06185319
Unique Number : 11036645
Test Package : CONST
Received : 20 May 2024
Tested : 22 May 2024
Diagnosed : 22 May 2024 - Don Baldrige

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