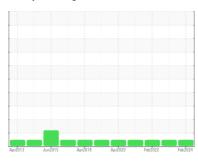


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **KME LADDER 81**

Hydraulic System

AW HYDRAULIC OIL ISO 46 (--- GAL)

DIAGNOSIS

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 oil

Fluid Condition

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

		Apr2013	Jun2015 Apr2018	Apr2020 Feb2022	Feb2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0890595	WC0767785	WC0658017
Sample Date		Client Info		07 Feb 2024	20 Feb 2023	22 Feb 2022
Machine Age	hrs	Client Info		5917	5400	4784
Oil Age	hrs	Client Info		5400	4784	4348
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	4	2	5
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>75	6	4	4
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES			12 24 /			
ADDITIVES		method	limit/base	current	history1	history2
	ppm	method ASTM D5185m	Ilmit/base	current	history1 0	history2 1
Boron	ppm					
Boron Barium	ppm	ASTM D5185m	5	0	0	1
Boron Barium Molybdenum	ppm	ASTM D5185m ASTM D5185m	5 5	0 0	0	1 0
Boron Barium Molybdenum Manganese	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	5 5	0 0 <1 0	0 1 0	1 0 <1
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 5 5	0 0 <1 0	0 1 0 <1	1 0 <1 <1
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 5 5 25 200	0 0 <1 0 0	0 1 0 <1 16	1 0 <1 <1 17
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 5 5 25 200 300	0 0 <1 0	0 1 0 <1 16 212	1 0 <1 <1 17 209
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 5 5 25 200	0 0 <1 0 0 131 333	0 1 0 <1 16 212 442	1 0 <1 <1 17 209 442
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 5 5 25 200 300 370	0 0 <1 0 0 131 333 418	0 1 0 <1 16 212 442 452	1 0 <1 <1 17 209 442 472
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANT	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	5 5 5 25 200 300 370 2500	0 0 <1 0 0 131 333 418 2611	0 1 0 <1 16 212 442 452 1293	1 0 <1 17 209 442 472 1117
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	5 5 5 25 200 300 370 2500 limit/base	0 0 <1 0 0 131 333 418 2611	0 1 0 <1 16 212 442 452 1293 history1	1 0 <1 <1 17 209 442 472 1117 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	5 5 5 25 200 300 370 2500 limit/base >20	0 0 <1 0 0 131 333 418 2611 current	0 1 0 <1 16 212 442 452 1293 history1	1 0 <1 <1 17 209 442 472 1117 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm	ASTM D5185m	5 5 5 25 200 300 370 2500 limit/base >20	0 0 <1 0 0 131 333 418 2611 current <1	0 1 0 <1 16 212 442 452 1293 history1 1	1 0 <1 17 209 442 472 1117 history2 6 0
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm	ASTM D5185m	5 5 5 25 200 300 370 2500 limit/base >20 >20	0 0 <1 0 0 131 333 418 2611 current <1 2	0 1 0 <1 16 212 442 452 1293 history1 1 1	1 0 <1 <1 17 209 442 472 1117 history2 6 0
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	5 5 5 25 200 300 370 2500 limit/base >20	0 0	0 1 0 <1 16 212 442 452 1293 history1 1 0 history1	1 0 <1 17 209 442 472 1117 history2 6 0 2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm	ASTM D5185m	5 5 5 25 200 300 370 2500 limit/base >20 limit/base	0 0	0 1 0 <1 16 212 442 452 1293 history1 1 0 history1 NONE	1 0 < 1 < 1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANT Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm	ASTM D5185m method *Visual *Visual	5 5 5 25 200 300 370 2500 limit/base >20 >20 limit/base NONE	0 0	0 1 0 <1 16 212 442 452 1293 history1 1 0 history1 NONE NONE	1 0 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANT Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm	ASTM D5185m MEthod *Visual *Visual	5 5 5 25 200 300 370 2500 limit/base >20 >20 limit/base NONE NONE	0 0 <1 0 0 131 333 418 2611 current <1 2 0 current NONE NONE	0 1 0 <1 16 212 442 452 1293 history1 1 1 0 history1 NONE NONE NONE	1 0 < 1 < 1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm	ASTM D5185m MEthod ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual	5 5 5 25 200 300 370 2500 limit/base >20 >20 limit/base NONE NONE NONE NONE	0 0	0 1 0 <1 16 212 442 452 1293 history1 1 1 0 history1 NONE NONE NONE	1 0
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm	ASTM D5185m method ASTM D5185m ASTM D5185m *Visual *Visual *Visual	5 5 5 25 200 300 370 2500 limit/base >20 >20 limit/base NONE NONE	0 0	0 1 0 <1 16 212 442 452 1293 history1 1 1 0 history1 NONE NONE NONE NONE NONE NONE NONE	1 0 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1

Odor

Emulsified Water

NORML

NORML

Supported By: RANDEYGPRICE

NORML

NEG

NEG

NORML

>0.1

scalar *Visual

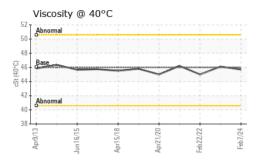
scalar *Visual

*Visual

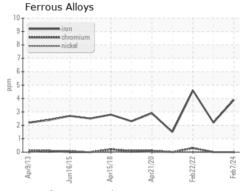
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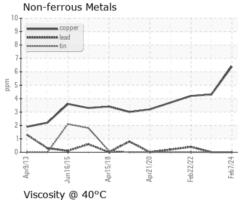


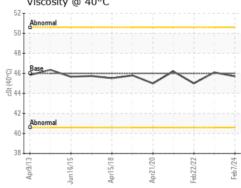
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	45.7	46.1	45.0
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image











Certificate 12367

Sample No. : WC0890595 Lab Number : 06139041 Unique Number : 10963849

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 04 Apr 2024

Tested : 08 Apr 2024 Diagnosed

: 08 Apr 2024 - Wes Davis

WESTFIELD, IN US 46074 Contact: DENNIS EVERITT deveritt@westfieldin.com

WESTFIELD FIRE DEPT

17535 DARTOWN RD

T: (317)804-3333

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)