

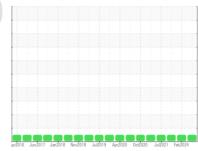
OIL ANALYSIS REPORT



OKLAHOMA/3/EG - LOADER 50.25L [OKLAHOMA^3^EG - LOADER]

Front Differential

MOBIL 50W (--- GAL)



Sample Rating Trend

NORMAL



Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

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

grz2016 Jun2017 Jun2018 Nov2018 Ju2019 Apr2020 Ocz020 Ju2021 Fes2024									
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		WC0935139	WC0873969	WC0662471			
Sample Date		Client Info		12 May 2024	02 Feb 2024	08 Feb 2022			
Machine Age	hrs	Client Info		1412	785	19444			
Oil Age	hrs	Client Info		1412	2159	935			
Oil Changed		Client Info		N/A	N/A	Changed			
Sample Status				NORMAL	NORMAL	NORMAL			
CONTAMINATION	١	method	limit/base	current	history1	history2			
Water		WC Method	>.2	NEG	NEG	NEG			
WEAR METALS		method	limit/base	current	history1	history2			
Iron	ppm	ASTM D5185m	>500	283	99	196			
Chromium	ppm	ASTM D5185m	>3	2	0	<1			
Nickel	ppm	ASTM D5185m	>3	1	0	<1			
Titanium	ppm	ASTM D5185m	>2	1	0	0			
Silver	ppm	ASTM D5185m	>2	<1	0	0			
Aluminum	ppm	ASTM D5185m	>30	7	0	<1			
Lead	ppm	ASTM D5185m	>13	3	<1	1			
Copper	ppm	ASTM D5185m	>103	46	29	8			
Tin	ppm	ASTM D5185m	>5	3	0	<1			
Antimony	ppm	ASTM D5185m	>5			<1			
Vanadium	ppm	ASTM D5185m		<1	0	0			
Cadmium	ppm	ASTM D5185m		<1	0	0			
ADDITIVES		method	limit/base	current	history1	history2			
ADDITIVES Boron	ppm	method ASTM D5185m	limit/base	current 0	history1	history2			
	ppm	ASTM D5185m	limit/base		•	· ·			
Boron Barium	ppm		limit/base	0	0	2			
Boron	ppm ppm	ASTM D5185m ASTM D5185m	limit/base	0 0	0	2			
Boron Barium Molybdenum Manganese	ppm	ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	0 0 <1	0 0 0	2 0 <1			
Boron Barium Molybdenum	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	0 0 <1 3	0 0 0 <1	2 0 <1 2			
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	0 0 <1 3 5	0 0 0 <1 0	2 0 <1 2 <1			
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	0 0 <1 3 5 267	0 0 0 <1 0 149	2 0 <1 2 <1 27			
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	limit/base	0 0 <1 3 5 267 662	0 0 0 <1 0 149 528	2 0 <1 2 <1 27 450			
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	limit/base	0 0 <1 3 5 267 662 109	0 0 0 <1 0 149 528	2 0 <1 2 <1 27 450			
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	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	limit/base	0 0 <1 3 5 267 662 109 933	0 0 0 <1 0 149 528 58 409	2 0 <1 2 <1 27 450 9 674			
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base	0 0 <1 3 5 267 662 109 933	0 0 0 <1 0 149 528 58 409	2 0 <1 2 <1 27 450 9 674 history2			
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >100	0 0 <1 3 5 267 662 109 933 current	0 0 0 0 <1 0 149 528 58 409 history1	2 0 <1 2 <1 27 450 9 674 history2			
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >100	0 0 <1 3 5 267 662 109 933 current 48	0 0 0 0 <1 0 149 528 58 409 history1	2 0 <1 2 <1 27 450 9 674 history2			
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >100 >20	0 0 <1 3 5 267 662 109 933 current 48 2	0 0 0 <1 0 149 528 58 409 history1 19 3	2 0 <1 2 <1 27 450 9 674 history2 18 5			
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	limit/base >100 >20 limit/base	0 0 <1 3 5 267 662 109 933 current 48 2 7	0 0 0 0 <1 0 149 528 58 409 history1 19 3 2	2 0 <1 2 <1 27 450 9 674 history2 18 5 1			
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 Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base >100 >20 limit/base NONE	0 0 -<1 3 5 267 662 109 933 current 48 2 7	0 0 0 0 <1 0 149 528 58 409 history1 19 3 2 history1 NONE	2 0 <1 2 <1 27 450 9 674 history2 18 5 1 history2 MODER			
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m method *Visual *Visual	limit/base >100 >20 limit/base NONE NONE	0 0 <1 3 5 267 662 109 933 current 48 2 7 current NONE NONE	0 0 0 0 <1 0 149 528 58 409 history1 19 3 2 history1 NONE	2 0 <1 2 <1 27 450 9 674 history2 18 5 1 history2 MODER NONE			
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm	ASTM D5185m method *Visual *Visual	limit/base >100 >20 limit/base NONE NONE NONE	0 0 <1 3 5 267 662 109 933 current 48 2 7 current NONE NONE	0 0 0 -<1 0 149 528 58 409 history1 19 3 2 history1 NONE NONE	2 0 <1 2 <1 27 450 9 674 history2 18 5 1 history2 MODER NONE			
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m Method ASTM D5185m ASTM D5185m *Visual *Visual *Visual	limit/base >100 >20 limit/base NONE NONE NONE NONE	0 0 -<1 3 5 267 662 109 933 current 48 2 7 current NONE NONE NONE LIGHT	0 0 0 -<1 0 149 528 58 409 history1 19 3 2 history1 NONE NONE NONE	2 0 <1 2 <1 27 450 9 674 history2 18 5 1 history2 MODER NONE NONE			
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m MEthod ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual	limit/base >100 >20 limit/base NONE NONE NONE NONE NONE NONE	0 0 <1 3 5 267 662 109 933 current 48 2 7 current NONE NONE NONE LIGHT NONE	0 0 0 0 -1 0 149 528 58 409 history1 19 3 2 history1 NONE NONE NONE NONE	2 0 <1 2 <1 27 450 9 674 history2 18 5 1 history2 MODER NONE NONE NONE			
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm	ASTM D5185m **STM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m **STM D5185m **Wisual **Visual **Visual **Visual **Visual **Visual **Visual **Visual	limit/base >100 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NON	0 0	0 0 0 149 528 58 409 history1 19 3 2 history1 NONE NONE NONE NONE NONE NONE NONE NON	2 0 <1 2 <1 27 450 9 674 history2 18 5 1 history2 MODER NONE NONE NONE			

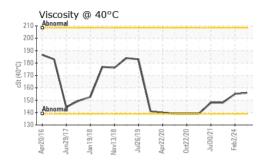
Ibmitted By: GARRETTE ADAMS

NEG

scalar *Visual

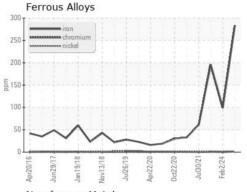


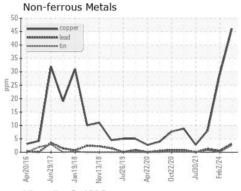
OIL ANALYSIS REPORT

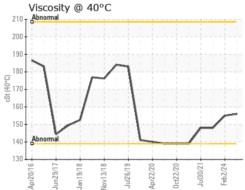


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		156	155	148
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image

GRAPHS











Certificate 12367

Laboratory Sample No.

Lab Number : 06185315

: WC0935139 Unique Number : 11036641 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 20 May 2024

Tested : 22 May 2024 Diagnosed : 22 May 2024 - Don Baldridge

SHERWOOD CONSTRUCTION CO INC

Submitted By: GARRETT ADAMS

3219 WEST MAY ST WICHITA, KS US 67213

Contact: DOUG KING doug.king@sherwood.net T: (316)617-3161

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)

Report Id: SHEWIC [WUSCAR] 06185315 (Generated: 05/22/2024 18:02:49) Rev: 1

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