

OIL ANALYSIS REPORT

Sample Rating Trend





NORMAL



Area OKLAHOMA/3/EG - TRUCK-OFF-HWY-HEAVY HAUL 69.03 [OKLAHOMA^3^EG - TRUCK-OFF-HWY-HEAVY HAUL] Component Rear Left Final Drive

Fluid MOBIL SHC 629 (--- GAL)

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.

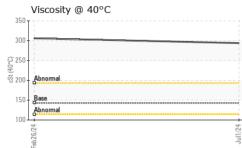
Fluid Condition

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

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0945650	WC0873988	
Sample Date		Client Info		01 Jul 2024	26 Feb 2024	
Machine Age	hrs	Client Info		2525	1448	
Oil Age	hrs	Client Info		0	1448	
Oil Changed		Client Info		N/A	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATION	٧	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>800	73	63	
Chromium	ppm	ASTM D5185m	>10	1	1	
Nickel	ppm	ASTM D5185m	>5	2	1	
Titanium	ppm	ASTM D5185m	>15	0	<1	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>75	<1	2	
Lead	ppm	ASTM D5185m	>10	3	3	
Copper	ppm	ASTM D5185m	>75	28	28	
Tin	ppm	ASTM D5185m	>8	5	5	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		88	119	
Barium	ppm	ASTM D5185m		0	0	
				•	4	
Molybdenum	ppm	ASTM D5185m		0	<1	
Molybdenum Manganese	ppm ppm	ASTM D5185m ASTM D5185m		0	<1	
•						
Manganese	ppm	ASTM D5185m		1	1	
Manganese Magnesium	ppm ppm	ASTM D5185m ASTM D5185m		1 5	1 3	
Manganese Magnesium Calcium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		1 5 489	1 3 408	
Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		1 5 489 418	1 3 408 396	
Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	1 5 489 418 78	1 3 408 396 68	
Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method	limit/base >400	1 5 489 418 78 15698	1 3 408 396 68 14573	
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method		1 5 489 418 78 15698 current	1 3 408 396 68 14573 history1	
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Method ASTM D5185m	>400	1 5 489 418 78 15698 current 17	1 3 408 396 68 14573 history1 16	
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	>400	1 5 489 418 78 15698 <u>current</u> 17 6	1 3 408 396 68 14573 history1 16 5	
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>400 >20	1 5 489 418 78 15698 <u>current</u> 17 6 3	1 3 408 396 68 14573 history1 16 5 3	 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL	ppm 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 ASTM D5185m	>400 >20 limit/base	1 5 489 418 78 15698 <u>current</u> 17 6 3 3	1 3 408 396 68 14573 history1 16 5 3 3 history1	 history2 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm ppm ppm ppm ppm scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>400 >20 limit/base NONE	1 5 489 418 78 15698 <u>current</u> 17 6 3 <u>current</u> NONE	1 3 408 396 68 14573 history1 16 5 3 3 history1 NONE	 history2 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m XSTM D5185m ASTM D5185m XSTM D5185m	>400 >20 limit/base NONE NONE	1 5 489 418 78 15698 <u>current</u> 17 6 3 <u>current</u> NONE NONE	1 3 408 396 68 14573 history1 16 5 3 3 history1 NONE NONE	 history2 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm 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 *Visual *Visual	>400 >20 limit/base NONE NONE NONE	1 5 489 418 78 15698 <u>current</u> 17 6 3 3 <u>current</u> NONE NONE NONE	1 3 408 396 68 14573 history1 16 5 3 3 history1 NONE NONE NONE NONE	 history2 history2 history2
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 ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual	>400 >20 limit/base NONE NONE NONE NONE	1 5 489 418 78 15698 <u>current</u> 17 6 3 3 <u>current</u> NONE NONE NONE NONE	1 3 408 396 68 14573 history1 16 5 3 16 5 3 3 history1 NONE NONE NONE NONE NONE	 history2 history2 history2
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 ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual	>400 >20 limit/base NONE NONE NONE NONE NONE	1 5 489 418 78 15698 <u>current</u> 17 6 3 3 <u>current</u> NONE NONE NONE NONE NONE NONE	1 3 408 396 68 14573 history1 16 5 3 16 5 3 3 history1 NONE NONE NONE NONE NONE NONE NONE	 history2 history2 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL VISUAL Vhite Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm 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 *Visual *Visual *Visual *Visual *Visual *Visual	>400 >20 limit/base NONE NONE NONE NONE NONE	1 5 489 418 78 15698 <u>current</u> 17 6 3 3 <u>current</u> NONE NONE NONE NONE NONE NONE NONE	1 3 408 396 68 14573 history1 16 5 3 3 history1 NONE NONE NONE NONE NONE NONE NONE NON	 history2 history2 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL VISUAL Vhite Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm 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 XaSTM D5185m XaSTM D5185m Xisual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>400 >20 Iimit/base NONE NONE NONE NONE NONE NONE NONE NORML	1 5 489 418 78 15698 <u>current</u> 17 6 3 <u>current</u> NONE NONE NONE NONE NONE NONE NONE NON	1 3 408 396 68 14573 history1 16 5 3 16 5 3 3 history1 NONE NONE NONE NONE NONE NONE NONE NON	 history2 history2
Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	ppm ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>400 >20 Iinii/base NONE NONE NONE NONE NONE NONE NONE NON	1 5 489 418 78 15698 <u>current</u> 17 6 3 <u>current</u> NONE NONE NONE NONE NONE NONE NONE NON	1 3 408 396 68 14573 history1 16 5 3 3 history1 NONE NONE NONE NONE NONE NONE NONE NON	 history2 history2 -



OIL ANALYSIS REPORT



FLUID PROPERTI	ES method	limit/base	current	history1	histo
Visc @ 40°C	cSt ASTM D44	5 142.8	294	306	
SAMPLE IMAGES	method	limit/base	current	history1	histo
Color			no image	no image	no ima
Bottom			no image	no image	no ima
			Ū		
GRAPHS					
Ferrous Alloys					
70 - iron chromium					
60-					
50 - E 40 -					
30					
20					
10					
0 45		Jul1/24			
Feb26/24		Jul			
Non-ferrous Metals					
25 - copper					
sessesses tin					
20					
ត្ <u>ត</u> 15 -					
10					
5 -					
045		24			
Feb26/24		Jul1/24			
Viscosity @ 40°C					
320					
280					
240					
(2) 220 - ₩ 200 - Abnormal					
180-					
160 Base					
120 - Abnormal					
100 +		Jul1/24 +			
Feb26/24		Jul			
WaarChack USA 501	Madiaan Ava Ca	n. NO 07510	QUEDY		
: WearCheck USA - 501 : WC0945650	Received :	15 Jul 2024	SUERI	VOOD CONSTRU 3219	WEST MA
: <mark>06237176</mark> : 11126010		17 Jul 2024	Baldridaa		WICHIT. US 6
: 11126010	Diagnosed :1	7 Jul 2024 - Dor	Dalunuye	Contact	



Unique Number : 11126010 Diagnosed : 17 Jul 2024 - Don Baldridge Test Package : CONST Contact: BILL ORCUTT Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. william.orcutt@wildcat.net * - 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] 06237176 (Generated: 07/17/2024 16:16:28) Rev: 1

Submitted By: SHAWN SOUTH Page 2 of 2

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