

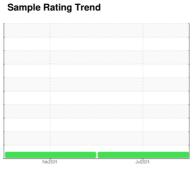
OIL ANALYSIS REPORT



OKLAHOMA/3/EG - TRUCK-OFF-HWY-HEAVY HAUL 69.03 [OKLAHOMA^3^EG - TRUCK-OFF-HWY-HEAVY HAUL]

Rear Differential

MOBIL SHC 629 (--- GAL)





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

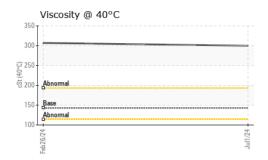
Fluid Condition

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

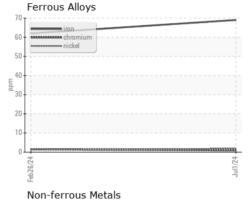
L)		<u>, </u>	Feb 2024	Jul2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0945649	WC0873987	
Sample Date		Client Info		01 Jul 2024	26 Feb 2024	
Machine Age	hrs	Client Info		2525	1448	
Dil Age	hrs	Client Info		0	1448	
Oil Changed		Client Info		N/A	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATION	N	method	limit/base	current	history1	history2
Vater		WC Method	>.2	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>500	69	62	
Chromium	ppm	ASTM D5185m	>3	<1	1	
lickel	ppm	ASTM D5185m	>3	2	1	
itanium	ppm	ASTM D5185m	>2	0	<1	
ilver	ppm	ASTM D5185m	>2	0	0	
luminum	ppm	ASTM D5185m	>30	<1	2	
ead	ppm	ASTM D5185m	>13	2	3	
Sopper	ppm	ASTM D5185m	>103	28	28	
in	ppm	ASTM D5185m	>5	5	5	
anadium	ppm	ASTM D5185m		0	0	
admium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
oron	ppm	ASTM D5185m		86	112	
arium	ppm	ASTM D5185m		0	0	
lolybdenum	ppm	ASTM D5185m		0	<1	
langanese	ppm	ASTM D5185m		1	1	
lagnesium	ppm	ASTM D5185m		5	3	
alcium	ppm	ASTM D5185m		472	456	
					730	
hosphorus	ppm	ASTM D5185m		403	406	
		ASTM D5185m ASTM D5185m		403 74		
inc	ppm				406	
inc	ppm ppm	ASTM D5185m	limit/base	74	406 83	
inc ulfur CONTAMINANTS	ppm ppm	ASTM D5185m ASTM D5185m		74 15223	406 83 14791	
inc ulfur CONTAMINANTS ilicon	ppm ppm ppm	ASTM D5185m ASTM D5185m method		74 15223 current	406 83 14791 history1	
inc ulfur CONTAMINANTS ilicon odium	ppm ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m	>100	74 15223 current	406 83 14791 history1	 history2
inc ulfur CONTAMINANTS ilicon odium otassium	ppm ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	>100	74 15223 current 17 6	406 83 14791 history1 16 6	 history2
inc ulfur CONTAMINANTS ilicon odium otassium VISUAL	ppm ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m	>100	74 15223 current 17 6 3	406 83 14791 history1 16 6	history2
inc ulfur CONTAMINANTS ilicon odium otassium VISUAL /hite Metal	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m method	>100 >20 limit/base	74 15223 current 17 6 3	406 83 14791 history1 16 6 3 history1	history2
inc ulfur CONTAMINANTS ilicon odium otassium VISUAL /hite Metal ellow Metal	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m wethod *Visual *Visual *Visual	>100 >20 limit/base NONE NONE NONE	74 15223 current 17 6 3 current NONE	406 83 14791 history1 16 6 3 history1 NONE	history2 history2 history2
inc ulfur CONTAMINANTS ilicon odium otassium VISUAL White Metal fellow Metal recipitate	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m wethod *Visual	>100 >20 limit/base NONE NONE	74 15223 current 17 6 3 current NONE NONE	406 83 14791 history1 16 6 3 history1 NONE	history2 history2 history2
inc ulfur CONTAMINANTS ilicon odium otassium VISUAL //hite Metal recipitate ilt	ppm ppm ppm ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m wethod *Visual *Visual *Visual	>100 >20 limit/base NONE NONE NONE	74 15223 current 17 6 3 current NONE NONE NONE	406 83 14791 history1 16 6 3 history1 NONE NONE	history2 history2 history2 history2
inc ulfur CONTAMINANTS ilicon odium otassium VISUAL //hite Metal ellow Metal recipitate ilt lebris	ppm ppm ppm ppm ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m wethod *Visual *Visual *Visual *Visual	>100 >20 limit/base NONE NONE NONE NONE	74 15223 current 17 6 3 current NONE NONE NONE NONE	406 83 14791 history1 16 6 3 history1 NONE NONE NONE	history2 history2 history2
Cinc Gulfur CONTAMINANTS Gilicon Godium Potassium VISUAL Vhite Metal Gellow Metal Precipitate Gilt Debris Gand/Dirt	ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>100 >20 limit/base NONE NONE NONE NONE NONE NONE	74 15223 current 17 6 3 current NONE NONE NONE NONE NONE NONE NONE	406 83 14791 history1 16 6 3 history1 NONE NONE NONE NONE NONE NONE	history2 history2
Cinc Gulfur CONTAMINANTS Gilicon Godium Potassium VISUAL White Metal Cellow Metal Precipitate Gilt Debris Gand/Dirt Appearance	ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>100 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NON	74 15223 current 17 6 3 current NONE NONE NONE NONE NONE NONE NONE NON	406 83 14791 history1 16 6 3 history1 NONE NONE NONE NONE NONE NONE NONE NON	history2 history2 history2
Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m wethod *Visual	>100 >20 limit/base NONE NONE	74 15223 current 17 6 3 current NONE NONE NONE NONE NONE NONE NONE NON	406 83 14791 history1 16 6 3 history1 NONE NONE NONE NONE NONE NONE NONE NON	history2 history2 history2

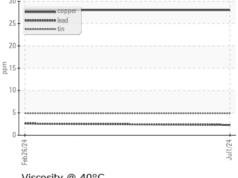


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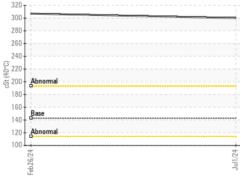


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	142.8	300	307	
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image





Viscosity @ 40°C







Certificate 12367

Laboratory

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 **Sample No.** : WC0945649 Lab Number : 06237177

Test Package : CONST

Unique Number : 11126011

Received : 15 Jul 2024 Tested Diagnosed

: 17 Jul 2024 : 17 Jul 2024 - Don Baldridge

SHERWOOD CONSTRUCTION CO INC 3219 WEST MAY ST WICHITA, KS

US 67213 Contact: BILL ORCUTT william.orcutt@wildcat.net

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] 06237177 (Generated: 07/17/2024 16:16:21) Rev: 1

Submitted By: SHAWN SOUTH

T: F: