

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 40015 Component Rear Left Final Drive Fluid SAE 10W (--- QTS)

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.

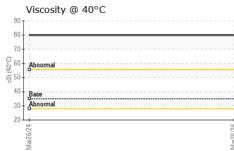
Fluid Condition

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		WC0867755		
Sample Date		Client Info		26 Mar 2024		
Machine Age	hrs	Client Info		6143		
Oil Age	hrs	Client Info		2256		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	487		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	3		
Lead	ppm	ASTM D5185m	>25	3		
Copper	ppm		>50	13		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m	210	0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		39		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		1		
Manganese	ppm	ASTM D5185m		4		
Magnesium	ppm	ASTM D5185m		94		
Calcium	ppm	ASTM D5185m		2993		
Phosphorus		ASTM D5185m		2993 904		
Zinc	ppm	ASTIVI DOTODITI		904		
				000		
-	ppm	ASTM D5185m		936		
Sulfur	ppm	ASTM D5185m ASTM D5185m		936 5369		
-	ppm		limit/base			
Sulfur	ppm	ASTM D5185m	limit/base	5369		
Sulfur CONTAMINANTS	ppm	ASTM D5185m method		5369 current		
Sulfur CONTAMINANTS Silicon	ppm ppm	ASTM D5185m method ASTM D5185m	>75	5369 current 41	 history1 	 history2
Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m	>75	5369 current 41 4	 history1 	 history2
Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m	>75 >20	5369 current 41 4 3	 history1 	 history2
Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL	ppm ppm ppm ppm	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m method	>75 >20 limit/base	5369 current 41 4 3 current	 history1 history1	 history2 history2
Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm scalar	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m method *Visual	>75 >20 limit/base NONE	5369 current 41 4 3 current NONE	 history1 history1 	 history2 history2
Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm ppm scalar scalar	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual	>75 >20 limit/base NONE NONE	5369 current 41 4 3 current NONE NONE	 history1 history1 	 history2 history2
Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm ppm scalar scalar scalar	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual	>75 >20 limit/base NONE NONE NONE	5369 current 41 4 3 current NONE NONE NONE	 history1 history1 	 history2 history2
Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt	ppm ppm ppm ppm scalar scalar scalar scalar	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual	>75 >20 limit/base NONE NONE NONE NONE	5369 current 41 4 3 current NONE NONE NONE NONE	 history1 history1 	 history2 history2
Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m method ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual	>75 >20 limit/base NONE NONE NONE NONE NONE	5369 current 41 4 3 current NONE NONE NONE NONE NONE NONE	 history1 history1 	 history2 history2
Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m method ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>75 >20 Iimit/base NONE NONE NONE NONE NONE	5369 current 41 4 3 current NONE NONE NONE NONE NONE NONE NONE	 history1 history1 	 history2 history2
Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m method ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>75 >20 Iimit/base NONE NONE NONE NONE NONE NONE NONE NON	5369 current 41 4 3 current NONE NONE NONE NONE NONE NONE NONE NON	 history1 history1 	 history2 history2
Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>75 20 imit/base NONE NONE NONE NONE NONE NONE NONE NORML NORML	5369 current 41 4 3 current NONE NONE NONE NONE NONE NONE NONE NON	 history1 history1 -	 history2 history2 -



OIL ANALYSIS REPORT



					history2
Visc @ 40°C cSt	ASTM D445	35.0	79.9		
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Dettern					
Bottom			no image	no image	no image
GRAPHS					
Ferrous Alloys					
450 - chromium 400 - nickel					
350 -					
300 - Ē 250 -					
200 -					
150					
50 -					
8/24		5/24			
Mar26/24		Mar26/24			
Non-ferrous Metals					
12 - copper					
10					
_ 8					
4					
2 -					
0		4			
Mar26/24		Mar26/24			
– Viscosity @ 40°C		2			
90 T					
80 -					
70-					
(2) 60 日 (2) 60 (4) (5) (5) (5) (5) (5) (5) (5) (5					
40 - Base					
30 - Abnormal					
20 L		6/24			
Mar26/24		Mar26/24			
WeerCheck USA 501 Medi		NO 07510	ODEEN	IEVILLE OIL & PI	
	eived : 01	Apr 2024		EST ANDREW J	
ber : 06135870 Tes ber : 10955335 Diag	ted : 02 gnosed : 04	2 Apr 2024 Apr 2024 - Jona	than Hestor	GRE	ENEVILLE, US 377
ge : FLEET	ynuseu .04	npi 2024 - JUlia	inali i iesiel		Contact: SHC

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)

Certificate L2367

Contact/Location: SHOP ? - GREGRETN Page 2 of 2

shop@burkhartenterprises.com

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