

# **OIL ANALYSIS REPORT**

# Sample Rating Trend NORMAL



Machine Id 20.027L [] Component
Right Final Drive TDTO FLUID SAE 30 (--- 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

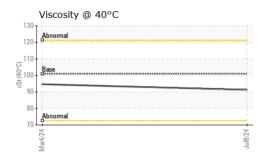
## **Fluid Condition**

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

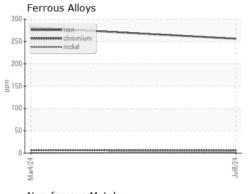
- GAL)			Mar2024	Jul2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0918334	WC0821543	
Sample Date		Client Info		08 Jul 2024	04 Mar 2024	
Machine Age	hrs	Client Info		394	607	
Dil Age	hrs	Client Info		0	607	
Dil Changed		Client Info		Not Changd	Not Changd	
Sample Status				NORMAL	NORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2
Vater		WC Method	>0.2	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>800	256	281	
Chromium	ppm	ASTM D5185m	>10	7	7	
lickel	ppm	ASTM D5185m	>5	1	<1	
itanium	ppm	ASTM D5185m	>15	<1	<1	
Silver	ppm	ASTM D5185m	>2	0	0	
luminum	ppm	ASTM D5185m	>75	2	2	
ead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>75	2	2	
in	ppm	ASTM D5185m	>8	<1	0	
anadium	ppm	ASTM D5185m		<1	0	
admium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	37	0	4	
arium	ppm	ASTM D5185m	7	13	0	
		ASTM D5185m	5	17	17	
lolybdenum	ppm	AO HVI DO TOOTII				
-	ppm	ASTM D5185m		4	4	
langanese	ppm		40	4 15	4	
langanese lagnesium	ppm ppm	ASTM D5185m ASTM D5185m	40	15	0	
Manganese Magnesium Calcium	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	40 2650	15 4084	0 4110	
Manganese Magnesium Calcium Phosphorus	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	40 2650 1050	15 4084 647	0 4110 613	
Manganese Magnesium Calcium Phosphorus Cinc	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	40 2650	15 4084	0 4110	
Manganese Magnesium calcium Phosphorus inc	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	40 2650 1050 1075	15 4084 647 764	0 4110 613 712	
Manganese Magnesium Calcium Phosphorus Cinc Gulfur CONTAMINANTS	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	40 2650 1050 1075 5750 limit/base	15 4084 647 764 3166	0 4110 613 712 2763	
Manganese Magnesium Salcium Phosphorus Inc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	40 2650 1050 1075 5750 limit/base	15 4084 647 764 3166	0 4110 613 712 2763 history1	
Manganese Magnesium Palcium Phosphorus Pinc Pulfur CONTAMINANTS Podium	ppm ppm ppm ppm ppm ppm	ASTM D5185m	40 2650 1050 1075 5750 limit/base >400	15 4084 647 764 3166 current	0 4110 613 712 2763 history1	   history2
Manganese Magnesium Palcium Phosphorus Pinc Pulfur CONTAMINANTS Podium	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m Method ASTM D5185m ASTM D5185m	40 2650 1050 1075 5750 limit/base >400	15 4084 647 764 3166 current 12	0 4110 613 712 2763 history1 12	   history2
Manganese Magnesium Palcium Phosphorus Inc Fulfur CONTAMINANTS Fillicon Fodium Potassium VISUAL	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	40 2650 1050 1075 5750 limit/base >400	15 4084 647 764 3166 current 12 4 5	0 4110 613 712 2763 history1 12 3 4	   history2
Manganese Magnesium Palcium Phosphorus Inc Fulfur CONTAMINANTS Filicon Fodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	40 2650 1050 1075 5750 limit/base >400 >20	15 4084 647 764 3166 current 12 4 5	0 4110 613 712 2763 history1 12 3 4	history2 history2
Manganese Magnesium Palcium Phosphorus Plancium Phosphorus Plancium Planciu	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m  Method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	40 2650 1050 1075 5750 limit/base >400 >20 limit/base	15 4084 647 764 3166 current 12 4 5 current NONE	0 4110 613 712 2763 history1 12 3 4 history1 NONE	history2 history2
Manganese Magnesium Salcium Phosphorus Sinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Sellow Metal Precipitate	ppm ppm ppm ppm ppm ppm ppm ppm scalar scalar	ASTM D5185m  Method ASTM D5185m ASTM D5185m ASTM D5185m  ASTM D5185m  *Visual *Visual	40 2650 1050 1075 5750 limit/base >400 >20 limit/base NONE NONE	15 4084 647 764 3166 current 12 4 5 current NONE	0 4110 613 712 2763 history1 12 3 4 history1 NONE	history2 history2
Manganese Magnesium Palcium Phosphorus Pinc Bulfur CONTAMINANTS Bilicon Bodium Potassium VISUAL White Metal Fellow Metal Precipitate Bilt	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m  Method ASTM D5185m ASTM D5185m  ASTM D5185m  ASTM D5185m  ASTM D5185m  ASTM D5185m  *Visual *Visual *Visual	40 2650 1050 1075 5750 limit/base >400 >20 limit/base NONE NONE	15 4084 647 764 3166 current 12 4 5 current NONE NONE	0 4110 613 712 2763 history1 12 3 4 history1 NONE NONE	history2 history2
Manganese Magnesium Palcium Phosphorus Plance Pulfur CONTAMINANTS Podium Potassium VISUAL White Metal Pellow Metal Precipitate Pulfut P	ppm	ASTM D5185m Method ASTM D5185m  *Visual *Visual *Visual *Visual	40 2650 1050 1075 5750 limit/base >400 >20 limit/base NONE NONE NONE	15 4084 647 764 3166 current 12 4 5 current NONE NONE NONE	0 4110 613 712 2763 history1 12 3 4 history1 NONE NONE NONE NONE	history2 history2
Manganese Magnesium Calcium Chosphorus Cinc Gulfur CONTAMINANTS Gilicon Godium Cotassium VISUAL White Metal Cellow Metal Crecipitate Gilt Debris Gand/Dirt	ppm	ASTM D5185m  Method ASTM D5185m ASTM D5185m  ASTM D5185m  ASTM D5185m  *Visual  *Visual  *Visual  *Visual  *Visual	40 2650 1050 1075 5750 limit/base >400 >20 limit/base NONE NONE NONE NONE NONE	15 4084 647 764 3166 current 12 4 5 current NONE NONE NONE NONE	0 4110 613 712 2763 history1 12 3 4 history1 NONE NONE NONE NONE NONE NONE	history2 history2
Manganese Magnesium Calcium Phosphorus Cinc Gulfur CONTAMINANTS Gilicon Godium Potassium VISUAL White Metal Cellow Metal Precipitate Gilt Debris Gand/Dirt Appearance	ppm	ASTM D5185m  Method  ASTM D5185m ASTM D5185m  *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	40 2650 1050 1075 5750 limit/base >400 >20 limit/base NONE NONE NONE NONE NONE NONE NONE	15 4084 647 764 3166  current 12 4 5  current NONE NONE NONE NONE NONE NONE NONE NON	0 4110 613 712 2763 history1 12 3 4 history1 NONE NONE NONE NONE NONE NONE NONE NON	history2 history2
Silicon Sodium Potassium	ppm	ASTM D5185m  Method ASTM D5185m ASTM D5185m  ASTM D5185m  ASTM D5185m  *Visual	40 2650 1050 1075 5750 limit/base >400 >20 limit/base NONE NONE NONE NONE NONE NONE NONE NON	15 4084 647 764 3166 current 12 4 5 current NONE NONE NONE NONE NONE NONE NONE NON	0 4110 613 712 2763 history1 12 3 4 history1 NONE NONE NONE NONE NONE NONE NONE NON	history2 history2

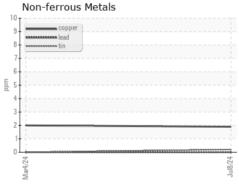


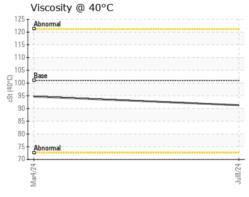
## **OIL ANALYSIS REPORT**















Certificate 12367

Laboratory Sample No.

: WC0918334 Lab Number : 06237164 Unique Number : 11125998

Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Jul 2024 Tested

: 17 Jul 2024 Diagnosed : 17 Jul 2024 - Don Baldridge

SHERWOOD CONSTRUCTION CO INC

3219 WEST MAY ST WICHITA, KS US 67213

Contact: BILL ORCUTT william.orcutt@wildcat.net T:

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)

F: