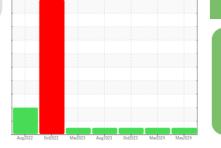


OIL ANALYSIS REPORT

Sample Rating Trend



Area OKLAHOMA/3 39.63 [OKLAHOMA^3] Component Right Final Drive





NORMAL

Fluid MOBIL MOBILTRANS HD 50 (--- 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

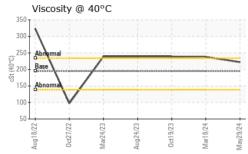
The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0908876	WC0874013	WC0857243
Sample Date		Client Info		29 May 2024	18 Mar 2024	19 Oct 2023
Machine Age	hrs	Client Info		5870	5377	4226
Oil Age	hrs	Client Info		5870	5377	4085
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	٧	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>800	673	765	566
Chromium	ppm	ASTM D5185m	>10	8	10	8
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m	>15	<1	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>75	2	7	2
Lead	ppm	ASTM D5185m	>10	1	1	<1
Copper	ppm	ASTM D5185m	>75	10	6	6
Tin	ppm	ASTM D5185m	>8	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		47	49	58
Porium	0.00	ACTM DE10Em		<1	0	0
Barium	ppm	ASTM D5185m		<1	0	0
Barium Molybdenum	ppm	ASTM D5185m		3	3	3
Molybdenum Manganese Magnesium	ppm	ASTM D5185m		3 10 24	3 10 24	3 8 20
Molybdenum Manganese Magnesium Calcium	ppm ppm	ASTM D5185m ASTM D5185m		3 10 24 2249	3 10 24 2030	3 8 20 1781
Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		3 10 24 2249 880	3 10 24 2030 805	3 8 20 1781 705
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		3 10 24 2249 880 881	3 10 24 2030 805 744	3 8 20 1781 705 627
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		3 10 24 2249 880	3 10 24 2030 805	3 8 20 1781 705
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	limit/base	3 10 24 2249 880 881 11059 current	3 10 24 2030 805 744 12132 history1	3 8 20 1781 705 627 10083 history2
Molybdenum 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 ASTM D5185m method ASTM D5185m	limit/base >400	3 10 24 2249 880 881 11059 current 15	3 10 24 2030 805 744 12132 history1 38	3 8 20 1781 705 627 10083 history2 15
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	>400	3 10 24 2249 880 881 11059 current	3 10 24 2030 805 744 12132 history1	3 8 20 1781 705 627 10083 history2 15 5
Molybdenum 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 ASTM D5185m method ASTM D5185m	>400	3 10 24 2249 880 881 11059 current 15	3 10 24 2030 805 744 12132 history1 38	3 8 20 1781 705 627 10083 history2 15
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	>400	3 10 24 2249 880 881 11059 current 15 4	3 10 24 2030 805 744 12132 history1 38 6	3 8 20 1781 705 627 10083 history2 15 5
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	>400 >20	3 10 24 2249 880 881 11059 current 15 4 7	3 10 24 2030 805 744 12132 history1 38 6 10	3 8 20 1781 705 627 10083 history2 15 5 9
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	>400 >20 limit/base NONE NONE	3 10 24 2249 880 881 11059 current 15 4 7 current	3 10 24 2030 805 744 12132 history1 38 6 10 history1 NONE NONE	3 8 20 1781 705 627 10083 history2 15 5 9 9
Molybdenum 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 Yisual	>400 >20 limit/base NONE NONE NONE	3 10 24 2249 880 881 11059 <u>current</u> 15 4 7 <u>current</u> NONE NONE NONE	3 10 24 2030 805 744 12132 history1 38 6 10 10 history1 NONE NONE NONE	3 8 20 1781 705 627 10083 history2 15 5 9 history2 NONE NONE NONE NONE
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 ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual	>400 >20 limit/base NONE NONE	3 10 24 2249 880 881 11059 current 15 4 7 current NONE NONE NONE NONE	3 10 24 2030 805 744 12132 history1 38 6 10 history1 NONE NONE	3 8 20 1781 705 627 10083 history2 15 5 9 history2 NONE NONE
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 ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Yisual *Visual *Visual *Visual	>400 >20 limit/base NONE NONE NONE NONE NONE	3 10 24 2249 880 881 11059 current 15 4 7 current NONE NONE NONE NONE NONE NONE	3 10 24 2030 805 744 12132 history1 38 6 10 10 history1 NONE NONE NONE	3 8 20 1781 705 627 10083 history2 15 5 9 history2 NONE NONE NONE NONE NONE NONE NONE NON
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 ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual	>400 >20 limit/base NONE NONE NONE NONE	3 10 24 2249 880 881 11059 <u>current</u> 15 4 7 <u>current</u> NONE NONE NONE NONE NONE NONE NONE	3 10 24 2030 805 744 12132 history1 38 6 10 history1 NONE NONE NONE NONE NONE	3 8 20 1781 705 627 10083 history2 15 5 9 history2 NONE NONE NONE NONE NONE NONE
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White 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 ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>400 >20 Iimit/base NONE NONE NONE NONE NONE NONE NONE NON	3 10 24 2249 880 881 11059 current 15 4 7 current NONE NONE NONE NONE NONE NONE NONE NON	3 10 24 2030 805 744 12132 history1 38 6 10 history1 NONE NONE NONE NONE NONE NONE	3 8 20 1781 705 627 10083 history2 15 5 9 history2 NONE NONE NONE NONE NONE NONE NONE NON
Molybdenum 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 ppm	ASTM D5185m 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	3 10 24 2249 880 881 11059 <u>current</u> 15 4 7 <u>current</u> NONE NONE NONE NONE NONE NONE NONE	3 10 24 2030 805 744 12132 history1 38 6 10 history1 NONE NONE NONE NONE NONE NONE NONE NON	3 8 20 1781 705 627 10083 history2 15 5 9 history2 NONE NONE NONE NONE NONE NONE NONE NON
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>400 >20 Iimit/base NONE NONE NONE NONE NONE NONE NONE NON	3 10 24 2249 880 881 11059 current 15 4 7 current NONE NONE NONE NONE NONE NONE NONE NON	3 10 24 2030 805 744 12132 history1 38 6 10 NONE NONE NONE NONE NONE NONE NONE NON	3 8 20 1781 705 627 10083 history2 15 5 9 history2 NONE NONE NONE NONE NONE NONE NONE NON
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL VISUAL Vhite Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	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 ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>400 >20 Iinit/base NONE NONE NONE NONE NONE NONE NONE NORML NORML	3 10 24 2249 880 881 11059 current 15 4 7 current NONE NONE NONE NONE NONE NONE NONE NON	3 10 24 2030 805 744 12132 history1 38 6 10 NONE NONE NONE NONE NONE NONE NONE NON	3 8 20 1781 705 627 10083 history2 15 5 9 history2 NONE NONE NONE NONE NONE NONE NONE NON

Report Id: SHEWIC [WUSCAR] 06200650 (Generated: 06/15/2024 02:41:04) Rev: 1



OIL ANALYSIS REPORT



	FLUID PROPERT	IES meth	od limit/base	current	history1	history2
	Visc @ 40°C	cSt ASTM [0445 195	222	238	239
	SAMPLE IMAGES	s meth	od limit/base	current	history1	history2
24	Color			no image	no image	no image
Mar18/24 May29/24	Bottom			no image	no image	no image
	GRAPHS					
	Ferrous Alloys					
	000 iron 700 chromium 600 nickel 500 chromium 900 nickel 900 chromium 900 chromium	Aug24/23 • 0ct19/23 •	Mar18/24			
	Z2/22/20 Viscosity @ 40°C Viscosity @ 40°C 40°C 40°C 40°C 40°C 40°C 40°C 40°C 40°C 40°C	Aug24/23	Mar18/24			
Laboratory Sample No. Lab Number	22/12220 : WearCheck USA - 501 : WC0908876 : 06200650	EZ/F28ny Madison Ave., Received Tested Diagnosod	Cary, NC 27513 : 05 Jun 2024 : 06 Jun 2024		VOOD CONSTRU 3219 V	JCTION CO INC WEST MAY ST WICHITA, KS



 Unique Number
 : 11062773
 Diagnosed
 : 06 Jun 2024 - Wes Davis

 Certificate 12367
 Test Package
 : CONST
 Ccc

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 shaw

 * - 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)

RWOOD CONSTRUCTION CO INC 3219 WEST MAY ST WICHITA, KS US 67213 Contact: SHAWN SOUTH shawn.south@sherwood.net T: x: (06:2012) F: x:

Submitted By: SHAWN SOUTH Page 2 of 2