

OIL ANALYSIS REPORT



Sample Rating Trend

NORMAL





KANSAS/44/EG - TRUCK-OFF-HWY-HEAVY HAUL 69.98L [KANSAS^44^EG - TRUCK-OFF-HWY-HEAVY HAUL]

Hydraulic System

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

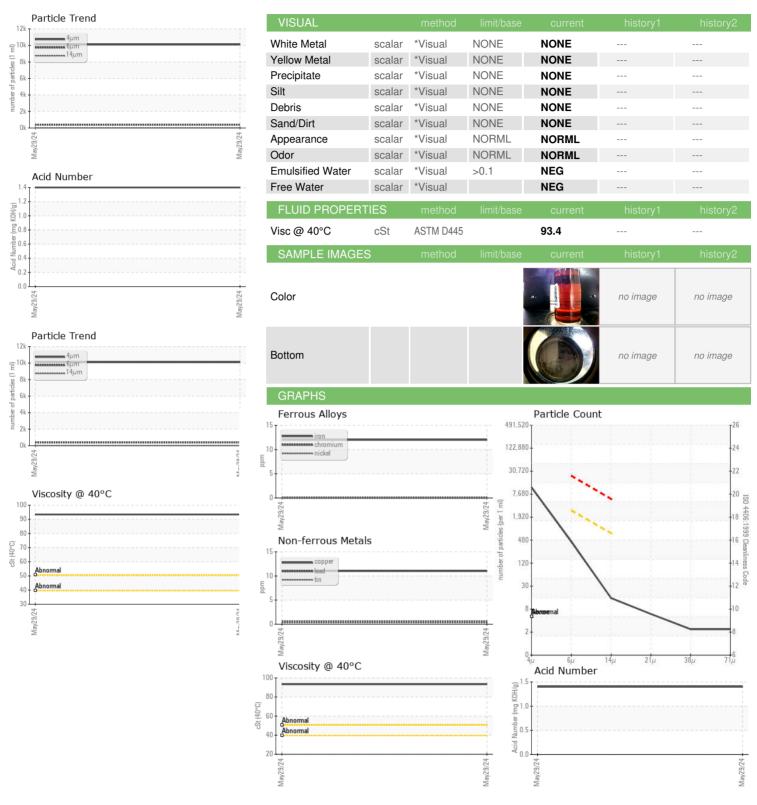
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

	YT HAUL					
_)				May2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
	MATION		IIIIIII Dase		· ·	
Sample Number		Client Info		WC0908865		
Sample Date Machine Age	hrs	Client Info		29 May 2024 7742		
Oil Age	hrs	Client Info		1000		
Oil Changed	1113	Client Info		Not Changd		
Sample Status		Oliciit iiilo		NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water	/ I V	WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	D 10 100				,	
Chromium	ppm	ASTM D5185m ASTM D5185m	>20	12 0		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m	>10	<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>10	<1		
Lead	ppm	ASTM D5185m	>10	<1		
Copper	ppm	ASTM D5185m	>75	11		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3		
Barium	ppm	ASTM D5185m		<1		
Molybdenum	ppm	ASTM D5185m		1		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m		20		
Calcium						
Odiolulli	ppm	ASTM D5185m				
	ppm	ASTM D5185m ASTM D5185m		2938 1089		
Phosphorus Zinc	ppm			2938		
Phosphorus		ASTM D5185m		2938 1089		
Phosphorus Zinc	ppm ppm ppm	ASTM D5185m ASTM D5185m	limit/base	2938 1089 1247		
Phosphorus Zinc Sulfur	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	2938 1089 1247 6669		
Phosphorus Zinc Sulfur CONTAMINANT	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method		2938 1089 1247 6669 current		 history2
Phosphorus Zinc Sulfur CONTAMINANT Silicon	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m		2938 1089 1247 6669 current	 history1	 history2
Phosphorus Zinc Sulfur CONTAMINANT Silicon Sodium	ppm ppm ppm s ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m	>20	2938 1089 1247 6669 current 10	 history1	 history2
Phosphorus Zinc Sulfur CONTAMINANT Silicon Sodium Potassium	ppm ppm ppm s ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m	>20 >20	2938 1089 1247 6669 current 10 6	 history1 	 history2
Phosphorus Zinc Sulfur CONTAMINANT Silicon Sodium Potassium FLUID CLEANLI	ppm ppm ppm s ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method	>20 >20	2938 1089 1247 6669 current 10 6 4	 history1 	history2 history2
Phosphorus Zinc Sulfur CONTAMINANT Silicon Sodium Potassium FLUID CLEANLI Particles >4µm	ppm ppm ppm s ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >20 limit/base	2938 1089 1247 6669 current 10 6 4 current 10097	 history1 history1	history2 history2 history2
Phosphorus Zinc Sulfur CONTAMINANT Silicon Sodium Potassium FLUID CLEANLI Particles >4µm Particles >6µm	ppm ppm ppm s ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647	>20 >20 limit/base >2500	2938 1089 1247 6669 current 10 6 4 current 10097 392	 history1 history1	history2 history2 history2
Phosphorus Zinc Sulfur CONTAMINANT Silicon Sodium Potassium FLUID CLEANLI Particles >4µm Particles >6µm Particles >14µm	ppm ppm ppm s ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647	>20 >20 limit/base >2500 >640	2938 1089 1247 6669 current 10 6 4 current 10097 392 13	history1 history1 history1	history2 history2 history2
Phosphorus Zinc Sulfur CONTAMINANT Silicon Sodium Potassium FLUID CLEANLI Particles >4µm Particles >14µm Particles >21µm	ppm ppm ppm s ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>20 >20 limit/base >2500 >640 >160	2938 1089 1247 6669 current 10 6 4 current 10097 392 13 5	history1 history1	history2 history2 history2
Phosphorus Zinc Sulfur CONTAMINANT Silicon Sodium Potassium FLUID CLEANLI Particles >4µm Particles >6µm Particles >21µm Particles >38µm	ppm ppm ppm s ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>20 >20 limit/base >2500 >640 >160 >40	2938 1089 1247 6669 current 10 6 4 current 10097 392 13 5 2	history1 history1 history1	history2 history2 history2
Phosphorus Zinc Sulfur CONTAMINANT Silicon Sodium Potassium FLUID CLEANLI Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm	ppm ppm ppm S ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>20 simit/base	2938 1089 1247 6669 current 10 6 4 current 10097 392 13 5 2 2	history1 history1	history2 history2

1.40



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06200072 Unique Number : 11062195

Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0908865

Received : 05 Jun 2024 **Tested** Diagnosed

: 06 Jun 2024 : 07 Jun 2024 - Jonathan Hester

SHERWOOD CONSTRUCTION CO INC 3219 WEST MAY ST WICHITA, KS US 67213

Contact: DOUG KING doug.king@sherwood.net T: (316)617-3161

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - 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] 06200072 (Generated: 06/07/2024 23:13:35) Rev: 1

Submitted By: SHAWN SOUTH

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