

OIL ANALYSIS REPORT

Sample Rating Trend



KANSAS/44/EG - TRUCK-OFF-HWY-HEAVY HAUL 69.99L [KANSAS^44^EG - TRUCK-OFF-HWY-HEAVY HAUL] Component Hydraulic System Fluid MOBIL MOBILTRANS AST 30 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition

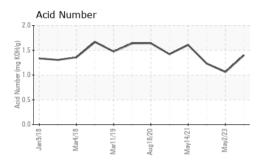
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

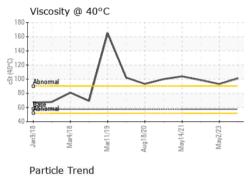
Sample Number Client Info WC0935107 WC0789838 WC0634286 Sample Date Client Info 03 May 2024 02 May 2023 28 Jan 2024 Machine Age hrs Client Info 6225 7760 6905 Oil Age hrs Client Info 6225 7760 6907 Sample Status Client Info Changed Not Changed Not Changed Not Changed CONTAMINATION method Imilibase current history1 history2 Water WC Method >0.1 NEG NEG NEG Clromium ppm ASTM 051655 >20 2 5 12 Chromium ppm ASTM 051655 >10 0 -1 0 Silver ppm ASTM 051655 >10 0 -1 1 Copper ppm ASTM 051655 >10 0 -1 1 Clromium ppm ASTM 051655 >10 0 0 0 0	SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
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Titanium ppm ASTM D5185m <1	Chromium	ppm	ASTM D5185m	>10	0	0	<1
Silver ppm ASTM D5185m <1	Nickel	ppm	ASTM D5185m	>10	0	<1	0
Aluminum ppm ASTM D5185m >10 2 <1	Titanium	ppm	ASTM D5185m		<1	<1	<1
Lead ppm ASTM D5185m >10 0 <1	Silver	ppm	ASTM D5185m		<1	0	0
Copper ppm ASTM D5185m >75 2 <1	Aluminum	ppm	ASTM D5185m	>10	2	<1	2
Tin ppm ASTM D5185m >10 <1	Lead	ppm	ASTM D5185m	>10	0	<1	1
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Particles >6μm ASTM D7647 >2500 1274 844 1736 Particles >14μm ASTM D7647 >640 63 48 64 Particles >21μm ASTM D7647 >160 12 6 16 Particles >38μm ASTM D7647 >40 0 1 0 Particles >71μm ASTM D7647 >10 0 1 0	Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base >20	38 0 <1 <1 20 3137 1050 1289 5593 current 6 4	28 0 1 0 15 3174 1000 1253 4890 history1 9 0	32 0 <1 <1 14 3242 1050 1265 4574 history2 11 2
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Particles >21μm ASTM D7647 >160 12 6 16 Particles >38μm ASTM D7647 >40 0 1 0 Particles >71μm ASTM D7647 >10 0 1 0	Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm	ppm	ASTM D5185m ASTM D5185m	limit/base >20 >20 limit/base	38 0 <1 <1 20 3137 1050 1289 5593 <u>current</u> 6 4 1 1 <u>current</u>	28 0 1 5 3174 1000 1253 4890 <u>history1</u> 9 0 2 <u>history1</u> 3653	32 0 <1 (1 14 3242 1050 1265 4574 history2 11 2 0 history2 32568
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	Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >21µm Particles >38µm	ppm	ASTM D5185m ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	limit/base >20 >20 >20 limit/base >20 limit/base >2500 >640 >160 >160 >40	38 0 <1 <1 20 3137 1050 1289 5593 Current 6 4 1 5586 1274 63 12 0	28 0 1 1 0 15 3174 1000 1253 4890 history1 9 0 2 history1 3653 844 48 6 1	32 0 <1 <1 14 3242 1050 1265 4574 history2 11 2 0 history2 32568 1736 64 16 0

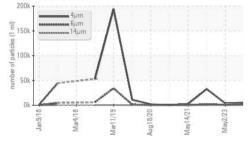


OIL ANALYSIS REPORT

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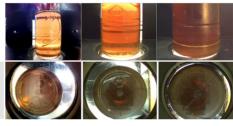




FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.40	1.06	1.23
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	57.6	101	93.2	98.5
SAMPLE IMAGES	5	method	limit/base	current	history1	history2

Color

Bottom



Ferrous Alloys Particle Count 491,520 20 122,880 30,720 ISO 4406:1999 Clea -20 7.680 Mar11/19 Aar4/11 Der 1,920 18 480 16 Non-ferrous Metals 30 120 14 20 30 12 8 /av14/2 Mar4/1 Mar11/1 ang Viscosity @ 40°C Acid Number (B/HOX 200 CSt (40°C) 120 CSt (40°C) ber (mg k Acid Nu 50 0.0 May2/23 -Mar4/18 Jan 9/18 Mar11/19 Mar11/19 May14/21 May2/23 Mar4/18 May14/21 Aug 18/20 Aug 18/20 19/mel

SHERWOOD CONSTRUCTION CO INC Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : WC0935107 Received : 20 May 2024 3219 WEST MAY ST Lab Number : 06184913 Tested : 22 May 2024 WICHITA, KS Unique Number : 11036239 Diagnosed : 22 May 2024 - Don Baldridge US 67213 Test Package : CONST Contact: DOUG KING Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. doug.king@sherwood.net T: (316)617-3161 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. F: x:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: SHEWIC [WUSCAR] 06184913 (Generated: 05/22/2024 17:37:58) Rev: 1

Submitted By: BOBBY JONES

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