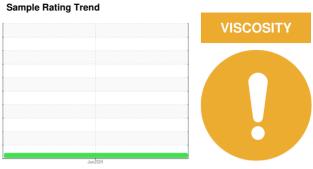


OIL ANALYSIS REPORT

KANSAS/101/EG - LOADER 45.68L [KANSAS^101^EG - LOADER]

Diesel Engine

MOBIL DELVAC 1300 SUPER15W40 (5)



Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Metal levels are typical for a new component breaking in.

Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

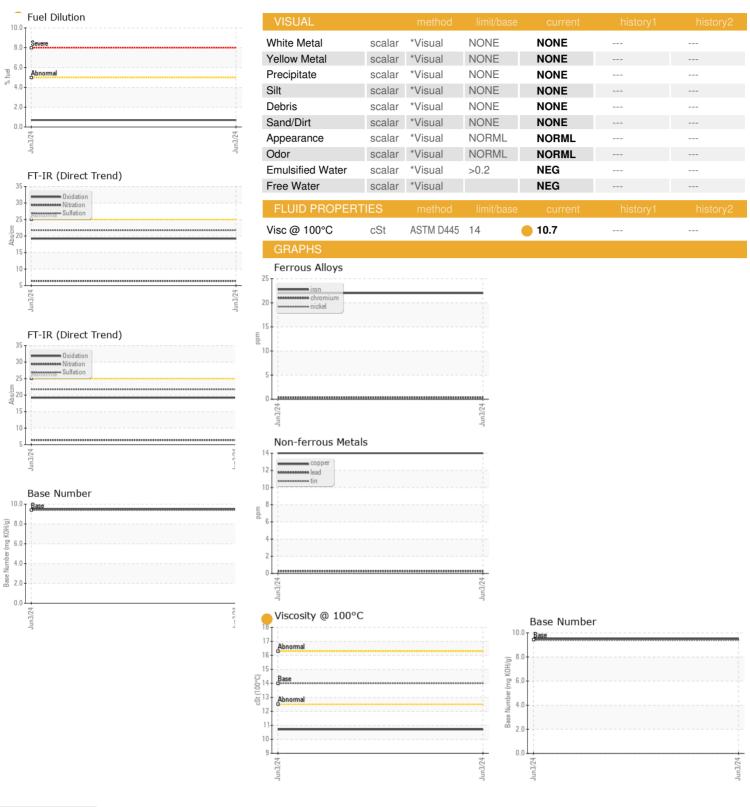
Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

				Jun2024		
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
	VIATION		IIIIII/Dase			
Sample Number		Client Info		WC0918066		
Sample Date		Client Info		03 Jun 2024		
Machine Age	hrs	Client Info		279		
Oil Age	hrs	Client Info		279		
Oil Changed		Client Info		Not Changd		
Sample Status				ATTENTION		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	22		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm		>20	3		
Lead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m		14		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	55		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	0	37		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m	0	458		
Calcium	ppm	ASTM D5185m		1619		
Phosphorus	ppm	ASTM D5185m		1001		
Zinc	ppm	ASTM D5185m		1115		
Sulfur	ppm	ASTM D5185m		3111		
CONTAMINANTS				-		
	6	method	limit/base	current	history1	history2
Silicon	ppm	method ASTM D5185m	limit/base >25		history1	history2
				current		
Silicon	ppm	ASTM D5185m		current 7		
Silicon Sodium	ppm	ASTM D5185m ASTM D5185m	>25	current 7 4		
Silicon Sodium Potassium	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>25 >20	current 7 4 6		
Silicon Sodium Potassium Fuel INFRA-RED	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 method	>25 >20 >5	current 7 4 6 0.7 current		
Silicon Sodium Potassium Fuel INFRA-RED Soot %	ppm ppm ppm %	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 method *ASTM D7844	>25 >20 >5 limit/base >3	current 7 4 6 0.7 current 0.1	 history1	
Silicon Sodium Potassium Fuel INFRA-RED	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 method	>25 >20 >5 limit/base	current 7 4 6 0.7 current	 history1	 history2
Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration	ppm ppm ppm % % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 method *ASTM D7844 *ASTM D7624	>25 >20 >5 limit/base >3 >20	current 7 4 6 0.7 current 0.1 6.4	 history1	history2
Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation FLUID DEGRAD	ppm ppm ppm % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 method *ASTM D7844 *ASTM D7624 *ASTM D7415 method	>25 >20 >5 limit/base >3 >20 >30 limit/base	current 7 4 6 0.7 current 0.1 6.4 21.7 current	 history1 history1	history2 history2 history2
Silicon Sodium Potassium Fuel INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm % % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D3524 method *ASTM D7844 *ASTM D7624 *ASTM D7415	>25 >20 >5 limit/base >3 >20 >30	current 7 4 6 0.7 current 0.1 6.4 21.7	 history1 	 history2



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WC0918066 **Lab Number** : 06208418 Unique Number : 11075879

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

Received **Tested** Diagnosed

: 13 Jun 2024 : 19 Jun 2024

: 19 Jun 2024 - Jonathan Hester Test Package : CONST (Additional Tests: FuelDilution, PercentFuel, TBN)

SHERWOOD CONSTRUCTION CO INC 3219 WEST MAY ST WICHITA, KS US 67213 Contact: BILL ORCUTT

william.orcutt@wildcat.net

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)

T:

F: