

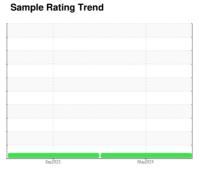
OIL ANALYSIS REPORT



KANSAS/15/EG - EXCAVATOR 20.145L [KANSAS^15^EG - EXCAVATOR]

Diesel Engine

MOBIL DELVAC 1300 SUPER15W40 (4 GAL)





Recommendation

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

All component wear rates are normal.

Contamination

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

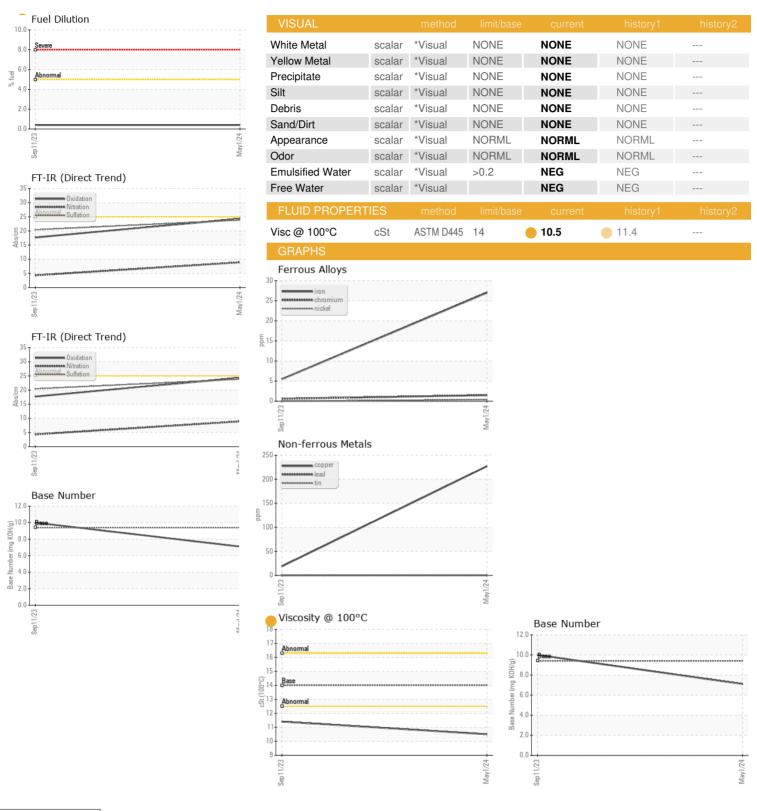
Fluid Condition

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

SUPER15W40 (4	GAL)	<u>, </u>	Sep 2023	May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0918357	WC0746054	
Sample Date		Client Info		01 May 2024	11 Sep 2023	
Machine Age	hrs	Client Info		0	6	
Oil Age	hrs	Client Info		0	6	
Oil Changed		Client Info		Not Changd	Not Changd	
Sample Status				ATTENTION	ATTENTION	
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	27	6	
Chromium	ppm	ASTM D5185m	>20	2	<1	
Nickel	ppm	ASTM D5185m	>2	<1	0	
Titanium	ppm	ASTM D5185m	>2	<1	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>25	5	3	
Lead	ppm	ASTM D5185m	>40	<1	<1	
Copper	ppm	ASTM D5185m	>330	227	19	
Tin	ppm	ASTM D5185m	>15	1	0	
Vanadium	ppm	ASTM D5185m		<1	0	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	36	69	
Barium	ppm	ASTM D5185m	0	9	5	
Molybdenum	ppm	ASTM D5185m	0	45	43	
Manganese	ppm	ASTM D5185m		3	2	
Magnesium	ppm	ASTM D5185m	0	486	498	
Calcium	ppm	ASTM D5185m		1509	1539	
Phosphorus	ppm	ASTM D5185m		900	932	
Zinc	ppm	ASTM D5185m		1046	1101	
Sulfur	ppm	ASTM D5185m		2915	3549	
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	13	12	
Sodium	ppm	ASTM D5185m		1	4	
Potassium	ppm	ASTM D5185m	>20	3	1	
Fuel	%	ASTM D3524	>5	0.4	0.4	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.1	
Nitration	Abs/cm	*ASTM D7624	>20	8.9	4.3	
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.8	20.4	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.3	17.7	
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	7.1	10.0	
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OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0918357 Lab Number : 06176451 Unique Number : 11022504

Received **Tested** Diagnosed

: 10 May 2024 : 15 May 2024 : 15 May 2024 - Sean Felton Test Package : CONST (Additional Tests: FuelDilution, PercentFuel, TBN)

SHERWOOD CONSTRUCTION CO INC 3219 WEST MAY ST WICHITA, KS US 67213 Contact: RANDY ROBERTS

randy.roberts@sherwood.net

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)

Submitted By: JAMES MOORE

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