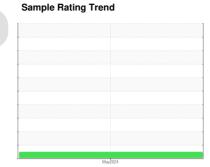


OIL ANALYSIS REPORT



DUMP TRUCKS [DUMP TRUCKS] 131 Diesel Engine

DIESEL ENGINE OIL SAE 10W30 (--- GAL)





Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

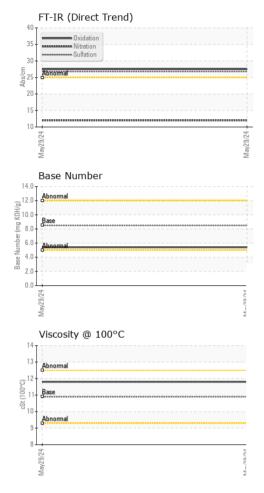
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

•	JAL)					
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		SBP0006775		
Sample Date		Client Info		29 May 2024		
Machine Age	mls	Client Info		398032		
Oil Age	mls	Client Info		25000		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>120	16		
Chromium	ppm	ASTM D5185m	>20	1		
Nickel	ppm	ASTM D5185m	>5	<1		
Titanium	ppm	ASTM D5185m	>2	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>20	1		
_ead	ppm	ASTM D5185m	>40	1		
Copper	ppm	ASTM D5185m	>330	1		
Tin	ppm	ASTM D5185m	>15	1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	3		
Barium	ppm	ASTM D5185m	10	0		
Molybdenum	ppm	ASTM D5185m	100	69		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	450	1069		
Calcium	ppm	ASTM D5185m	3000	1174		
Phosphorus	ppm	ASTM D5185m	1150	1229		
Zinc	ppm	ASTM D5185m	1350	1454		
Sulfur	ppm	ASTM D5185m	4250	3666		
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	2		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.1		
Vitration	Abs/cm	*ASTM D7624	>20	12.0		
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.8		
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	27.5		

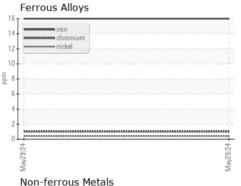


OIL ANALYSIS REPORT

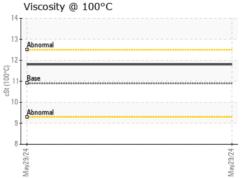


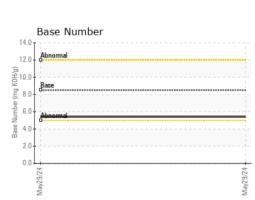
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG		
FLUID PROPER	TIES	method	limit/base	current	history1	history2

I LOID I NOI LIN	IIILO	memou			HISTOLAL	HISTOLYZ
Visc @ 100°C	cSt	ASTM D445	10.9	11.8		



¹⁰ T	NOTI-TETTOUS METAIS
8-	**************************************
6-	
4	
2 -	
0	
	May29/24
	Viscosity @ 100°C









Sample No.

Lab Number : 06197499 Unique Number : 11059622

: SBP0006775

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 03 Jun 2024 **Tested** : 04 Jun 2024

Diagnosed : 04 Jun 2024 - Don Baldridge

Test Package : FLEET Certificate 12367 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)

ARMSTRONG RENTALS LLC

2600 RIDGEVIEW DRIVE BEATRICE, NE

US 68310 Contact: JOE ARMSTRONG joea@armstrongrentalsllc.com T: (402)239-9930

Report Id: ARMBEANE [WUSCAR] 06197499 (Generated: 06/04/2024 14:02:08) Rev: 1