

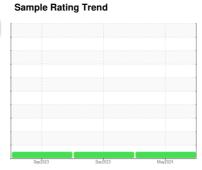
OIL ANALYSIS REPORT



TRACTORS [TRACTORS] 152

Diesel Engine

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





Recommendation

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

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

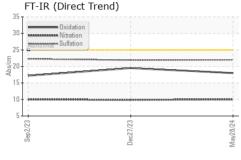
Fluid Condition

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

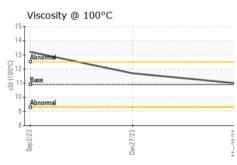
AE 104430 ((JAL)	369	02023	Dec2023 May20	£1			
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2		
Sample Number		Client Info		SBP0006770	SBP0005637	SBP0001916		
Sample Date		Client Info		28 May 2024	27 Dec 2023	02 Sep 2023		
Machine Age	mls	Client Info		210313	185316	160095		
Oil Age	mls	Client Info		25000	25000	25000		
Oil Changed		Client Info		Changed	Changed	Changed		
Sample Status				NORMAL	NORMAL	NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2		
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0		
Water		WC Method	>0.2	NEG	NEG	NEG		
Glycol		WC Method		NEG	NEG	NEG		
WEAR METALS		method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>120	37	21	33		
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1		
Nickel	ppm	ASTM D5185m	>5	3	2	2		
Titanium	ppm	ASTM D5185m	>2	0	<1	<1		
Silver	ppm	ASTM D5185m	>2	0	0	0		
Aluminum	ppm	ASTM D5185m	>20	3	2	4		
Lead	ppm	ASTM D5185m	>40	0	1	2		
Copper	ppm	ASTM D5185m	>330	5	4	8		
Tin	ppm	ASTM D5185m	>15	2	1	2		
Vanadium	ppm	ASTM D5185m		0	0	<1		
Cadmium	ppm	ASTM D5185m		0	0	0		
ADDITIVES		method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m	250	1	7	0		
Barium	ppm	ASTM D5185m	10	0	10	0		
Molybdenum	ppm	ASTM D5185m	100	60	52	67		
Manganese	ppm	ASTM D5185m		<1	<1	<1		
Magnesium	ppm	ASTM D5185m	450	943	687	1076		
Calcium	ppm	ASTM D5185m	3000	1185	1392	1277		
Phosphorus	ppm	ASTM D5185m	1150	1024	955	1047		
Zinc	ppm	ASTM D5185m	1350	1261	1040	1396		
Sulfur	ppm	ASTM D5185m	4250	2997	2880	3660		
CONTAMINANT	S	method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>25	10	8	11		
Sodium	ppm	ASTM D5185m		9	2	4		
Potassium	ppm	ASTM D5185m	>20	5	5	10		
INFRA-RED		method	limit/base	current	history1	history2		
Soot %	%	*ASTM D7844	>4	0.7	0.6	0.7		
Nitration	Abs/cm	*ASTM D7624		10.0	9.9	10.0		
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.0	21.9	22.3		
FLUID DEGRADATION method limit/base current history1 history2								
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.0	19.5	17.2		
Base Number (BN)	mg KOH/g	ASTM D2896		7.6	8.3	6.4		
(DIV)	mg nong	. IO THI DEGGO	0.0	1.0	0.0	V. 1		

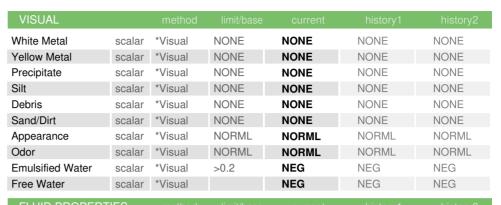


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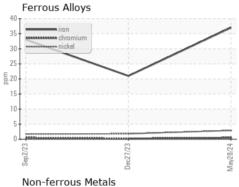
Base Number		
Abarana	1	
12.0 - Abnormal		
8.0 - Base		=
6.0 - Abnormal		
4.0		i
2.0		
Sep2/23 -	7/23	2.73
Sep	Dec27/	C

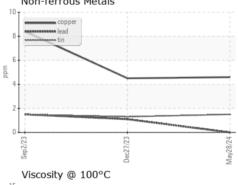


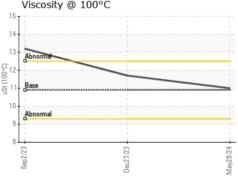


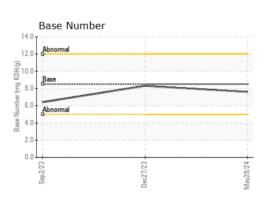
FLUID PROPERTIES		method	ilmit/base		nistory i	nistoryz
Visc @ 100°C	cSt	ASTM D445	10.9	11.0	11.7	13.2

GRAPHS













Certificate 12367

Laboratory Sample No.

Lab Number : 06198573 Unique Number : 11060696 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : SBP0006770 Received : 03 Jun 2024 **Tested** : 04 Jun 2024

Diagnosed : 04 Jun 2024 - Wes Davis

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] 06198573 (Generated: 06/04/2024 14:57:23) Rev: 1