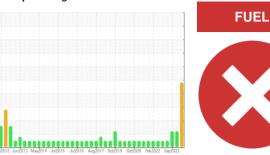


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

ADVANCE MIX 139

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (10 GAL)

DIAGNOSIS

Recommendation

We advise that you check for the source of the coolant leak. Check for low coolant level. We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

Sodium and/or potassium levels are high. There is a high amount of fuel present in the oil.

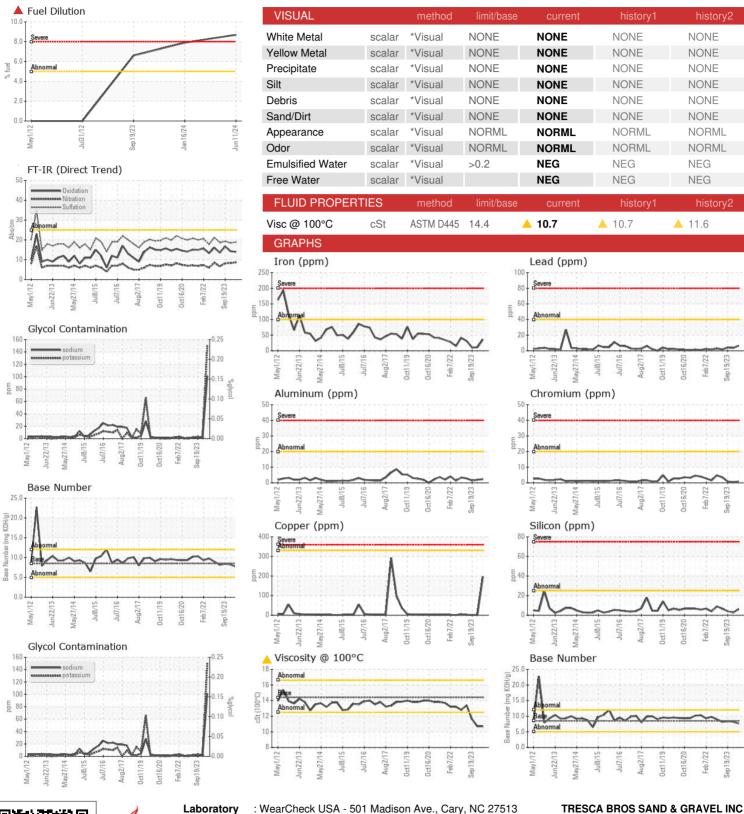
Fluid Condition

Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.

vZ012 JunZ013 MmyZ014 JurZ015 JurZ016 AugZ017 OctZ019 OctZ020 FmtZ022 SmpZ023						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		LP0001453	LP0000932	LP0000883
Sample Date		Client Info		11 Jun 2024	16 Jan 2024	19 Sep 2023
Machine Age	hrs	Client Info		40000	40000	40000
Oil Age	hrs	Client Info		500	500	500
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				SEVERE	ABNORMAL	ABNORMAL
CONTAMINATIC	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	36	11	10
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	2	2	1
Lead	ppm	ASTM D5185m	>40	6	4	4
Copper	ppm	ASTM D5185m	>330	196	1	1
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	12	19	17
Barium	ppm	ASTM D5185m	10	0	0	3
Molybdenum	ppm	ASTM D5185m	100	32	34	61
Manganese	ppm	ASTM D5185m	450	1	<1	0
Magnesium	ppm	ASTM D5185m	450	97	269	523
Calcium	ppm	ASTM D5185m	3000	1918	1780	1477
Phosphorus Zinc	ppm	ASTM D5185m ASTM D5185m	1150 1350	858 946	881 1060	1017 1217
Sulfur	ppm ppm	ASTM D5185m	4250	3768	3044	3323
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		6	3	4
Sodium	ppm	ASTM D5185m		<u> </u>	<1	2
Potassium	ppm	ASTM D5185m		<u>▲</u> 149	2	3
Fuel	%	ASTM D3524		▲ 8.7	7.9	<u></u> 6.6
Glycol	%	*ASTM D2982		NEG	NEG	NEG
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3	0.2	0.2
Nitration	Abs/cm	*ASTM D7624	>20	8.7	8.3	8.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.9	18.5	19.3
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.0	14.3	16.7
Base Number (BN)	mg KOH/g	ASTM D2896		7.67	8.24	8.41



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06212563 Unique Number: 11085427

: LP0001453

Test Package : MOB 2 (Additional Tests: Glycol, PercentFuel)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Jun 2024

Tested : 20 Jun 2024 Diagnosed

: 20 Jun 2024 - Jonathan Hester

MILLIS, MA US 02054 Contact: JACK GALIANO igaliano@trescaconcrete.com T: (508)376-2957

 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)

F: (508)376-4333

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