

OIL ANALYSIS REPORT

Sample Rating Trend

DIRT



Diesel Engine Fluid NOT GIVEN (39 QTS)

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

Elemental level of silicon (Si) above normal indicating ingress of seal material.

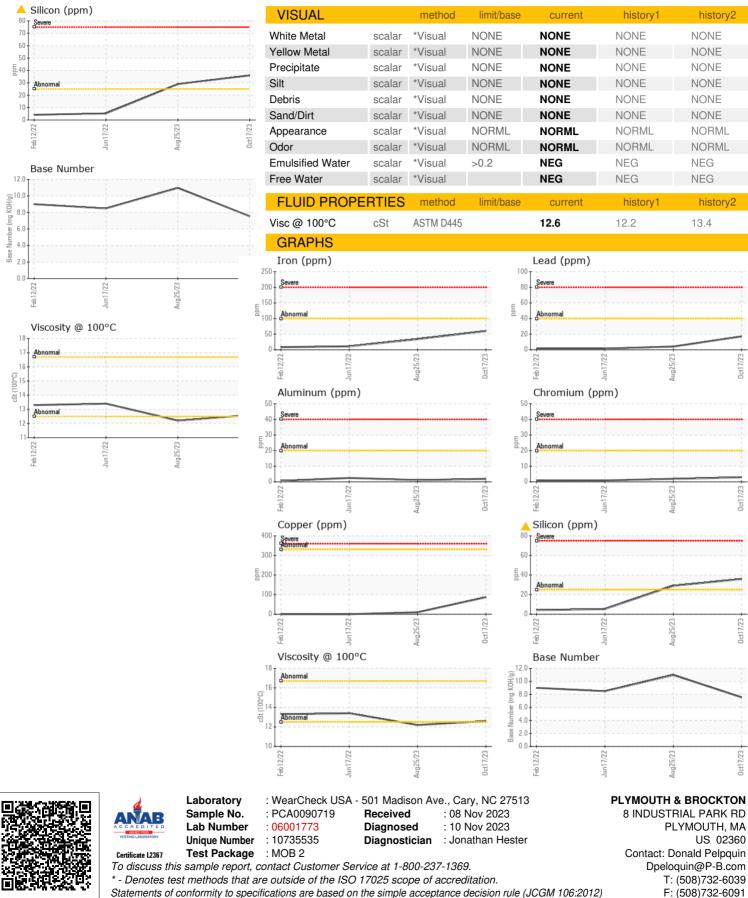
Fluid Condition

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

		Feb202	2 Jun2022	Aug2023 01	+2023	
SAMPLE INFOR		method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0090719	PCA0013384	PCA0013363
Sample Date		Client Info		17 Oct 2023	25 Aug 2023	17 Jun 2022
Machine Age	mls	Client Info		384040	373254	0
Dil Age	mls	Client Info		12000	12000	0
Dil Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	0.3	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	60	34	11
Chromium	ppm	ASTM D5185m	>20	3	2	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Fitanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	2	1	2
ead	ppm	ASTM D5185m	>40	17	4	2
Copper	ppm	ASTM D5185m	>330	87	10	<1
īin	ppm	ASTM D5185m	>15	<1	<1	<1
Antimony	ppm	ASTM D5185m				
/anadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		6	3	9
Barium	ppm	ASTM D5185m		0	0	0
Nolybdenum	ppm	ASTM D5185m		64	61	60
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		944	908	922
Calcium	ppm	ASTM D5185m		1066	1064	1121
Phosphorus	ppm	ASTM D5185m		940	1000	1068
Zinc	ppm	ASTM D5185m		1248	1184	1279
Sulfur	ppm	ASTM D5185m		2405	2936	3131
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	A 36	<u> </u>	5
Sodium	ppm	ASTM D5185m		7	6	1
Potassium	ppm	ASTM D5185m	>20	0	2	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.3	0.6	0.4
Nitration	Abs/cm	*ASTM D7624	>20	12.5	9.2	8.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.7	20.7	19.2
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
FLUID DEGRA Oxidation	DATION Abs/.1mm	*ASTM D7414	limit/base >25	current 21.4	history1 16.1	history2 15.0



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