

## **OIL ANALYSIS REPORT**

#### Sample Rating Trend



#### Area **Plymouth & Brockton** Machine Id **11417** Component

Diesel Engine Fluid NOT GIVEN (39 QTS)

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

#### 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.

		Feb2022	Jun2022	Aug2023 Oct2023	Mar2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0104434	PCA0090719	PCA0013384
Sample Date		Client Info		11 Mar 2024	17 Oct 2023	25 Aug 2023
Machine Age	mls	Client Info		407064	384040	373254
Oil Age	mls	Client Info		12000	12000	12000
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	ABNORMAL	ABNORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	0.3
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	47	60	34
Chromium	ppm	ASTM D5185m	>20	2	3	2
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	1	2	1
Lead	ppm	ASTM D5185m	>40	10	17	4
Copper	ppm	ASTM D5185m	>330	24	87	10
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Vanadium	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	6	3
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		58	64	61
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		931	944	908
	ppm	ASTM D5185m		1065	1066	1064
Zino	ppm	ASTM D5185m		898	940	1104
ZITIC	ppm	ASTM D5100III		1150	1240	1104
	ррш	ASTIVI DSTOSIII	L'and to the second	2001	2403	2930
	15		limit/base	current		
Silicon	ppm	ASTM D5185M	>25	12	- 36	A 29
Deteccium	ррп	ASTM DE105m	. 00	5	7	0
	ррп	ASTIM DOTODIII	>20	U	0	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.2	1.3	0.6
Nitration	Abs/cm	ASTM D7624	>20	11.8	12.5	9.2
Sultation	Abs/.1mm	^ASTM D7415	>30	24.2	24.7	20.7
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.6	21.4	16.1
Base Number (BN)	mg KOH/g	ASTM D2896		8.16	7.55	10.98



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VISUAL





Certificate L2367