

## **OIL ANALYSIS REPORT**

Sample Rating Trend



#### Machine Id **T268** Component **Diesel Engine** Fluid **NOT GIVEN (--- GAL)**

### DIAGNOSIS

#### Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

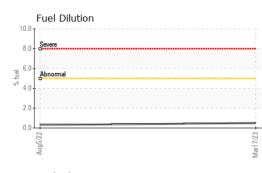
#### Fluid Condition

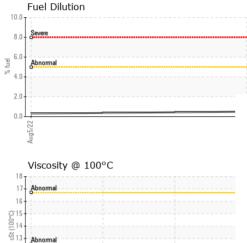
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Aug2022 Nov2023 Mar2023 Jun2023						
SAMPLE INFORI	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		PCA0100007	PCA0092490	PCA0085006
Sample Date		Client Info		29 Jun 2023	17 Mar 2023	11 Nov 2022
Machine Age	mls	Client Info		276676	251469	226076
Oil Age	mls	Client Info		25207	226076	201946
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history 1	history 2
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>100	12	8	15
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>4	<1	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	<1	2	2
Lead	ppm	ASTM D5185m	>40	<1	0	<1
Copper	ppm	ASTM D5185m	>330	2	<1	1
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m		1	4	5
Barium	ppm	ASTM D5185m		0	2	0
Molybdenum	ppm	ASTM D5185m		69	64	64
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		853	906	921
Calcium	ppm	ASTM D5185m		1201	1130	1170
Phosphorus	ppm	ASTM D5185m		978	990	937
Zinc	ppm	ASTM D5185m		1178	1194	1197
Sulfur	ppm	ASTM D5185m		2778	2938	3102
CONTAMINAN	TS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>25	7	4	8
Sodium	ppm	ASTM D5185m		0	2	<1
Potassium	ppm	ASTM D5185m	>20	3	2	4
Fuel	%	ASTM D3524	>5	<1.0	0.5	<1.0
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>3	0.8	0.5	0.7
Nitration	Abs/cm	*ASTM D7624	>20	9.7	7.9	9.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.4	18.9	22.5
FLUID DEGRA	DATION	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.4	14.3	17.3
Base Number (BN)	mg KOH/g	ASTM D2896		6.5	8.1	7.7



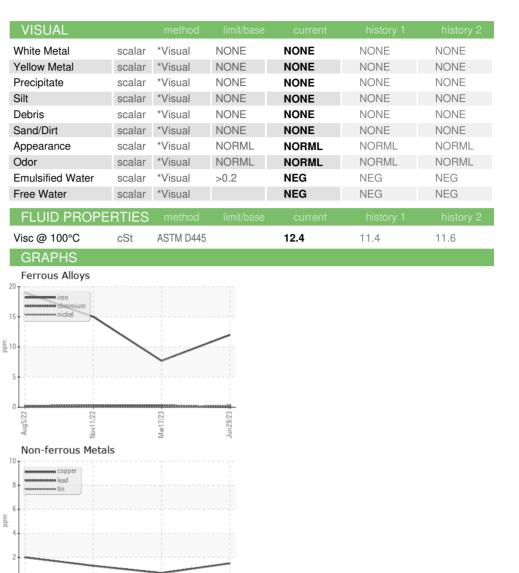
# **OIL ANALYSIS REPORT**





Nov11/22

Mar17/23



Base Number

Nov11/22

9.0 8.0 (B/HO) HO) 6.0

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3.0 ase 8 2.0

1.0

0.0

Aug5/22

Jun29/23

: 10 Jul 2023

: 11 Jul 2023



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12 11

10.

Aug5/22

Unique Number : 10549190 Diagnostician : Don Baldridge Test Package : FLEET ( Additional Tests: FuelDilution, PercentFuel ) Certificate L2367 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)

Nov11/22

Viscosity @ 100°C

18

16 () 0.001

<sup>55</sup> 13

11

10

Laboratory

Sample No.

Lab Number

Aug5/22

: PCA0100007

: 05893380

Mar17/23

Mar17/23

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received

Diagnosed

Mar17/23