

OIL ANALYSIS REPORT

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Sample Rating Trend





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

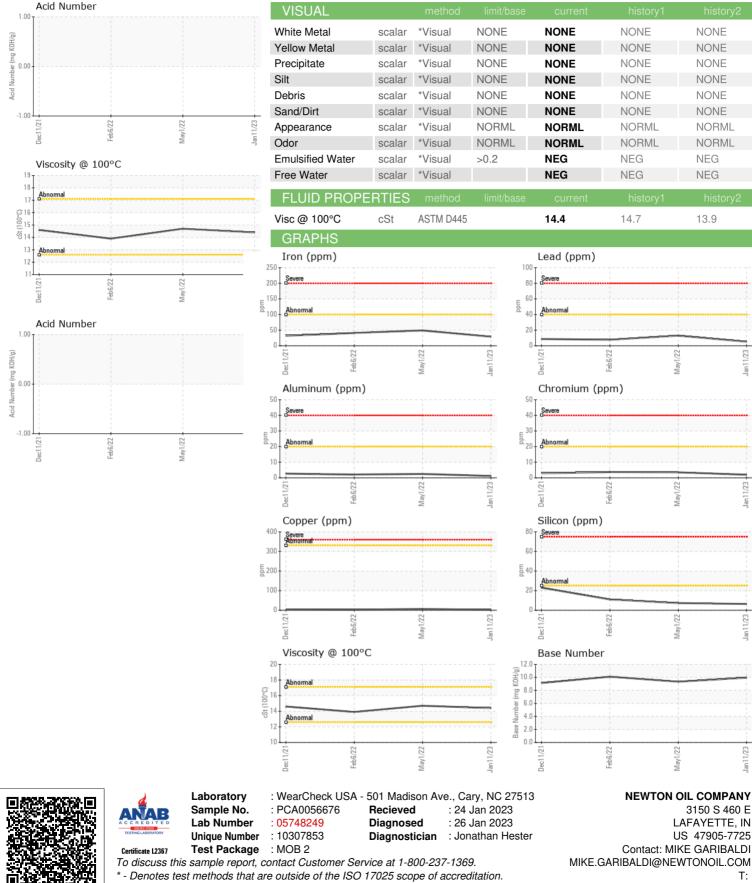
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0056676	PCA0056680	PCA0056666
Sample Date		Client Info		11 Jan 2023	01 May 2022	06 Feb 2022
Machine Age	hrs	Client Info		2328	1400	942
Oil Age	hrs	Client Info		350	400	400
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	29	49	41
Chromium	ppm	ASTM D5185m	>20	2	4	4
Nickel	ppm	ASTM D5185m	>4	<1	2	2
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	1	2	2
Lead	ppm	ASTM D5185m	>40	5	13	8
Copper	ppm	ASTM D5185m	>330	2	7	3
Tin	ppm	ASTM D5185m	>15	2	3	4
Antimony	ppm	ASTM D5185m				1
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		10	14	2
Barium	ppm	ASTM D5185m		10	0	0
Molybdenum	ppm	ASTM D5185m		63	67	61
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m		993	1087	1039
Calcium	ppm	ASTM D5185m		1097	1233	1240
Phosphorus	ppm	ASTM D5185m		1032	1135	1104
Zinc	ppm	ASTM D5185m		1310	1463	1292
Sulfur	ppm	ASTM D5185m		3536	2660	2676
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	7	11
Sodium	ppm	ASTM D5185m		2	4	6
Potassium	ppm	ASTM D5185m	>20	<1	<1	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.9	1.7	1.5
Nitration	Abs/cm	*ASTM D7624	>20	8.0	10.7	10.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.9	24.5	23.7
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.7	19.2	18.6
Base Number (BN)	mg KOH/g	ASTM D2896		9.96	9.33	10.1
0.04.07) Dov. 1			0			

Contact/Location: MIKE GARIBALDI - NEWLAFIN



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* - 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)

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F:

3150 S 460 E

LAFAYETTE, IN

US 47905-7725

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

13.9

May1/22

Vlav1/22

Mav1/22

May1/22.