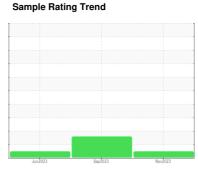


OIL ANALYSIS REPORT







DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Moor

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

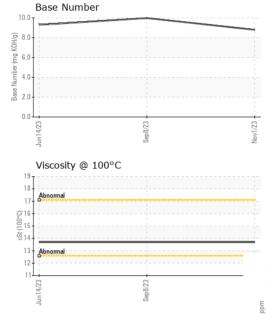
Fluid Condition

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

40 (GAL)	Ju	Jun2023 Sep2023		Nov2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0868163	WC0517482	WC0822328
Sample Date		Client Info		01 Nov 2023	08 Sep 2023	14 Jun 2023
Machine Age	hrs	Client Info		1783	1540	1250
Oil Age	hrs	Client Info		243	290	248
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	10	13	11
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m	>2	<1	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m		1	4	0
Lead	ppm	ASTM D5185m	>40	0	<1	0
Copper	ppm	ASTM D5185m		2	4	1
Tin	ppm	ASTM D5185m	>15	0	<1	0
Vanadium	ppm	ASTM D5185m	710	0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES	PPIII	method	limit/base	current	history1	history2
			IIIIIIIIIII			
Boron	ppm	ASTM D5185m		3	2	8
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		58	59	61
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		881	972	974
Calcium	ppm	ASTM D5185m		1000	1070	1109
Phosphorus	ppm	ASTM D5185m		939	1011	1026
Zinc	ppm	ASTM D5185m		1150	1249	1239
Sulfur	ppm	ASTM D5185m		3245	3233	3720
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	4	2
Sodium	ppm	ASTM D5185m		0	1	<1
Potassium	ppm	ASTM D5185m	>20	2	2	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.2	0.1
Nitration	Abs/cm	*ASTM D7624	>20	6.2	6.6	6.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.9	18.2	17.9
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.7	14.4	13.8
Base Number (BN)	mg KOH/g			8.8	9.98	9.3
_ 200 . Idilibor (Di4)	9 1.01119			5.0	0.00	0.0

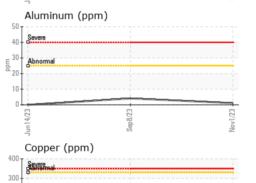


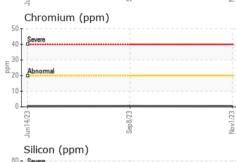
OIL ANALYSIS REPORT

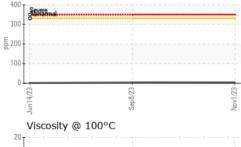


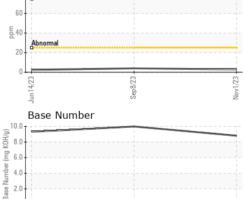
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	TFS	method	limit/base	current	history1	historv2

	Visc @ 100°C	cSt	ASTM D445		13.7	13.7	13.7
	GRAPHS						
Iron (ppm)				400	Lead (ppr	n)	
25	Severe			- 100	Severe		
	0			00			











Laboratory Sample No. Lab Number **Unique Number**

cSt (100°C)

10

: WC0868163 : 06011324 : 10750468

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

: 17 Nov 2023 : 20 Nov 2023 Diagnostician : Wes Davis

0.0

Test Package : MOB 1 (Additional Tests: TBN) 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)

C.L. BENTON & SONS INC 706 38TH AVE N

MYRTLE BEACH, SC US 29577 Contact: NEIL

neil@clbenton.com

T:

F:

Contact/Location: NEIL ? - CLBMYR