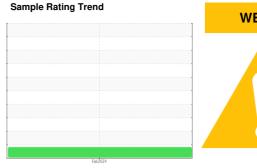


OIL ANALYSIS REPORT



Charlestown





DIAGNOSIS

Recommendation

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

Wear

The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other component wear rates are normal.

Contamination

There is no indication of any contamination in the

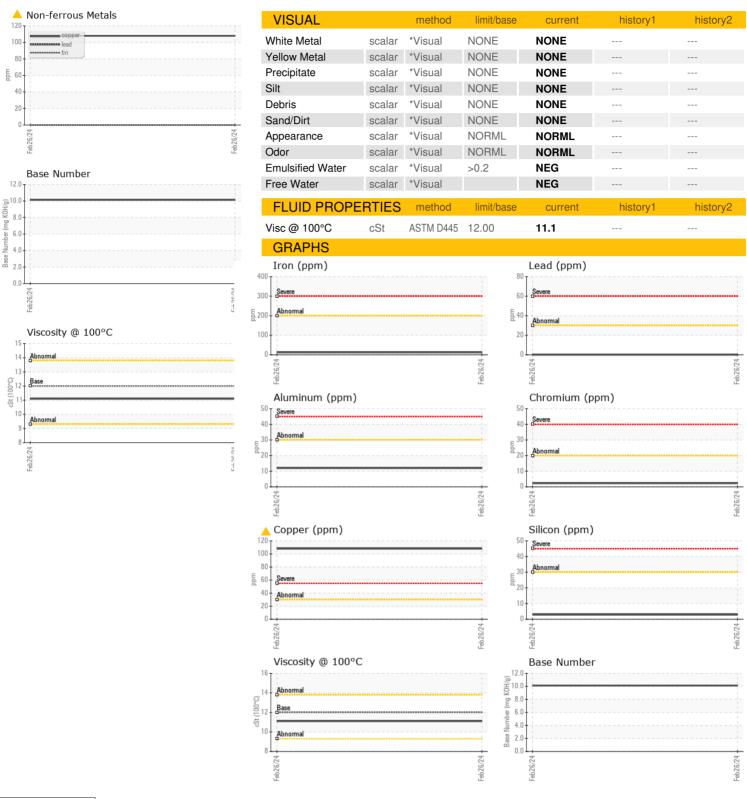
Fluid Condition

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

1 SHP 10W30 (-	GAL)			Feb2024		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0104516		
Sample Date		Client Info		26 Feb 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINAT	TION	method	limit/base	current	history1	history2
-uel		WC Method	>3.0	<1.0		
Nater		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	_S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>200	12		
Chromium	ppm	ASTM D5185m	>20	2		
Nickel	ppm	ASTM D5185m	>2	0		
Γitanium	ppm	ASTM D5185m	>2	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>30	12		
_ead	ppm	ASTM D5185m	>30	0		
Copper	ppm	ASTM D5185m	>30	108		
- in	ppm	ASTM D5185m	>15	<1		
/anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	4		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	50	58		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	950	907		
Calcium	ppm	ASTM D5185m	1050	1027		
Phosphorus	ppm	ASTM D5185m	995	918		
Zinc	ppm	ASTM D5185m	1180	1152		
Sulfur	ppm	ASTM D5185m	2600	2194		
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	3		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	25		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5		
Nitration	Abs/cm	*ASTM D7624	>20	8.6		
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.7		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
FLUID DEGRA	DATION Abs/.1mm	method *ASTM D7414	limit/base	current 15.9	history1	history2



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No.

Lab Number : 06107647 Unique Number: 10911144 Test Package : MOB 2

: PCA0104516

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received **Tested** Diagnosed

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 04 Mar 2024 : 05 Mar 2024

: 06 Mar 2024 - Sean Felton

PORTSIDE TRUCK AND AUTO - DIVERSIFIED AUTO

100 TERMINAL ST CHARLESTOWN, MA

T: 1(857)998-2229

US 02129 Contact: BRYAN WINTER

BWINTERS@DIVERSIFIEDAUTO.COM

* - 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)

Report Id: PORCHAMA [WUSCAR] 06107647 (Generated: 03/06/2024 14:25:45) Rev: 1

Submitted By: MATTHEW PETROSINO

F: