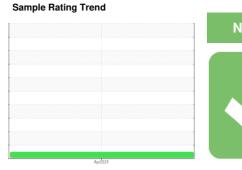


OIL ANALYSIS REPORT







DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Metal levels are typical for a components first oil change.

Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

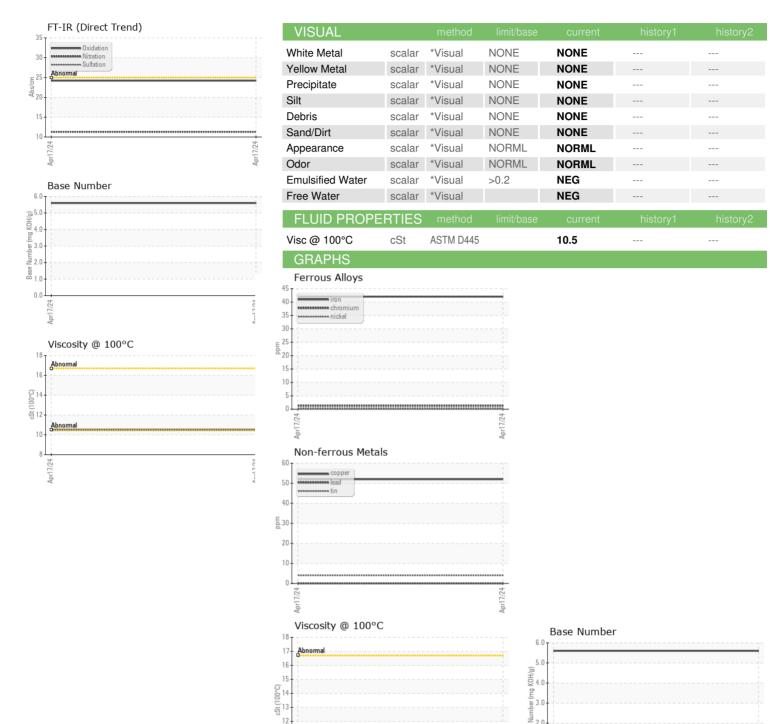
Fluid Condition

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

TREME 15W40 (- GAL)			Apr2024		
CAMPLE INFOR	MATION	اد د داد د در	lii.t/la.a.a.a	a	المراجعة المراجعة	histow.O
SAMPLE INFORI	VIATION		limit/base	current	history1	history2
Sample Number		Client Info		PCA0107631		
Sample Date		Client Info		17 Apr 2024		
Machine Age	mls	Client Info		28264		
Oil Age	mls	Client Info		28264		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	42		
Chromium	ppm	ASTM D5185m	>20	1		
Nickel	ppm	ASTM D5185m	>5	<1		
Titanium	ppm	ASTM D5185m	>2	<1		
Silver	ppm	ASTM D5185m	>2	<1		
Aluminum	ppm	ASTM D5185m	>20	21		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	52		
Tin	ppm	ASTM D5185m	>15	4		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		34		
Barium	ppm	ASTM D5185m		<1		
Molybdenum	ppm	ASTM D5185m		125		
Manganese	ppm	ASTM D5185m		5		
Magnesium	ppm	ASTM D5185m		813		
Calcium	ppm	ASTM D5185m		1478		
Phosphorus	ppm	ASTM D5185m		797		
Zinc	ppm	ASTM D5185m		928		
Sulfur	ppm	ASTM D5185m		2610		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	65		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	49		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.5		
Nitration	Abs/cm	*ASTM D7624	>20	11.3		
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.0		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	24.2		
Base Number (BN)	mg KOH/g	ASTM D2896		5.6		



OIL ANALYSIS REPORT







Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. Lab Number : 06160173

: PCA0107631 Unique Number : 10995596

Received Tested

: 25 Apr 2024 : 26 Apr 2024 Diagnosed : 26 Apr 2024 - Wes Davis

0.0

700 E JOE ORR RD CHICAGO HEIGHTS, IL US 60411

Contact: MIKE PROCANIN

mprocanin@zforcetransportation.com T:

Z FORCE TRANSPORTATION INC

Test Package : FLEET Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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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