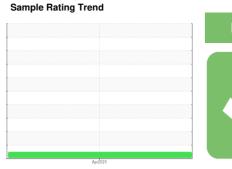


OIL ANALYSIS REPORT







DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Machine Id

MACK 2420

Diesel Engine

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.

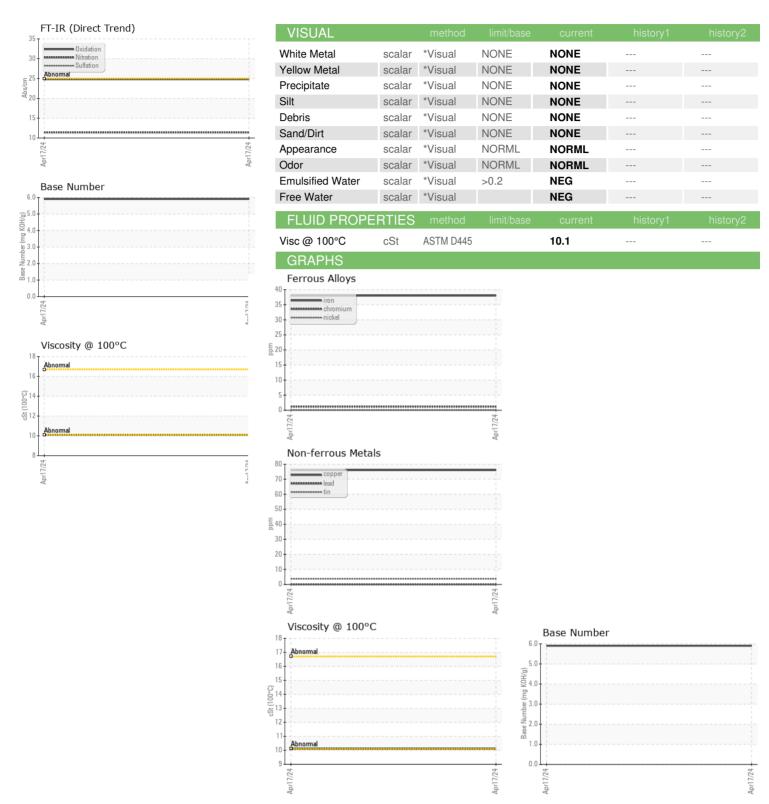
Fluid Condition

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

RTIFIED SDECTRA	XTREME 15W40 (- GAL)			Apr2024		
THE LEGITIA	<u></u>		a tla a al			histom d	la i a ta m
	SAMPLE INFOR	MATION		limit/base	current	history1	history
	Sample Number		Client Info		PCA0107635		
erval to monitor.	Sample Date		Client Info		17 Apr 2024		
	Machine Age	mls	Client Info		25757		
oonents first oil	Oil Age	mls	Client Info		25757		
	Oil Changed		Client Info		Changed		
	Sample Status				NORMAL		
ead (Pb) and als analysis are	CONTAMINAT	ION	method	limit/base	current	history1	histor
ase into the lubricant ent/components. ntamination in the	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	histor
ere is suitable The condition of the e.	Iron	ppm	ASTM D5185m	>120	38		
	Chromium	ppm	ASTM D5185m	>20	1		
	Nickel	ppm	ASTM D5185m	>5	0		
	Titanium	ppm	ASTM D5185m	>2	<1		
	Silver	ppm	ASTM D5185m	>2	0		
	Aluminum	ppm	ASTM D5185m	>20	24		
	Lead	ppm	ASTM D5185m	>40	0		
	Copper	ppm	ASTM D5185m	>330	76		
	Tin	ppm	ASTM D5185m		4		
	Vanadium	ppm	ASTM D5185m		0		
	Cadmium	ppm	ASTM D5185m		0		
	ADDITIVES		method	limit/base	current	history1	histor
	Boron	ppm	ASTM D5185m		60		
	Barium	ppm	ASTM D5185m		<1		
	Molybdenum	ppm	ASTM D5185m		134		
	Manganese	ppm	ASTM D5185m		5		
	Magnesium	ppm	ASTM D5185m		735		
	Calcium	ppm	ASTM D5185m		1578		
	Phosphorus	ppm	ASTM D5185m		748		
	Zinc	ppm	ASTM D5185m		862		
	Sulfur	ppm	ASTM D5185m		2539		
	CONTAMINAN		method	limit/base	current	history1	histor
	Silicon	ppm	ASTM D5185m		61		
	Sodium	ppm	ASTM D5185m		3		
	Potassium	ppm	ASTM D5185m	>20	57		
	INFRA-RED		method	limit/base	current	history1	history
	Soot %	%	*ASTM D7844	>4	0.4		
	Nitration	Abs/cm	*ASTM D7624		11.4		
	Sulfation	Abs/.1mm	*ASTM D7415		24.9		
	FLUID DEGRAI	OATION	method	limit/base	current	history1	history
	Oxidation	Abs/.1mm	*ASTM D7414	>25	24.8		
	Base Number (BN)	mg KOH/g			5.9		
		09					



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06160176 Unique Number : 10995599

: PCA0107635

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 25 Apr 2024 **Tested**

Diagnosed : 26 Apr 2024 - Wes Davis

: 26 Apr 2024

US 60411 Contact: MIKE PROCANIN

mprocanin@zforcetransportation.com T:

Z FORCE TRANSPORTATION INC

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)

F:

700 E JOE ORR RD

CHICAGO HEIGHTS, IL