

## **OIL ANALYSIS REPORT**

Sample Rating Trend







Machine Id **116342** Component **Diesel Engine** Fluid **DIESEL ENGINE OIL SAE 30 (--- QTS)** 

#### DIAGNOSIS

#### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 30. Please confirm.

#### Wear

Metal levels are typical for a components first oil change.

#### Contamination

Fuel content negligible. Elevated aluminum (AI) 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.

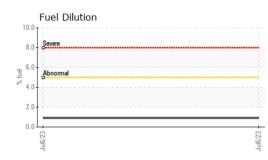
### Fluid Condition

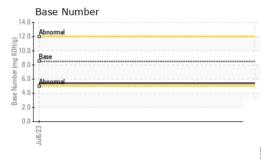
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

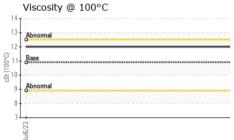
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		IL0027483		
Sample Date		Client Info		06 Jul 2023		
Machine Age	mls	Client Info		43025		
Oil Age	mls	Client Info		43025		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	J	method	limit/base	current	history1	history2
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	64		
Chromium	ppm	ASTM D5185m	>20	2		
Nickel	ppm	ASTM D5185m	>4	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	9		
Lead	ppm	ASTM D5185m	>40	4		
Copper	ppm	ASTM D5185m	>330	128		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	2		
Barium	ppm	ASTM D5185m	10	0		
Molybdenum	ppm	ASTM D5185m	100	72		
Manganese	ppm	ASTM D5185m		5		
Magnesium	ppm	ASTM D5185m	450	394		
Calcium	ppm	ASTM D5185m	3000	2093		
Phosphorus	ppm	ASTM D5185m	1150	1026		
Zinc	ppm	ASTM D5185m	1350	1354		
Sulfur	ppm	ASTM D5185m	4250	3274		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	14		
Sodium	ppm	ASTM D5185m	>75	4		
Potassium	ppm	ASTM D5185m	>20	24		
Fuel	%	ASTM D3524	>5	0.9		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.3		
Nitration	Abs/cm	*ASTM D7624	>20	11.2		
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.7		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	23.1		
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	5.4		

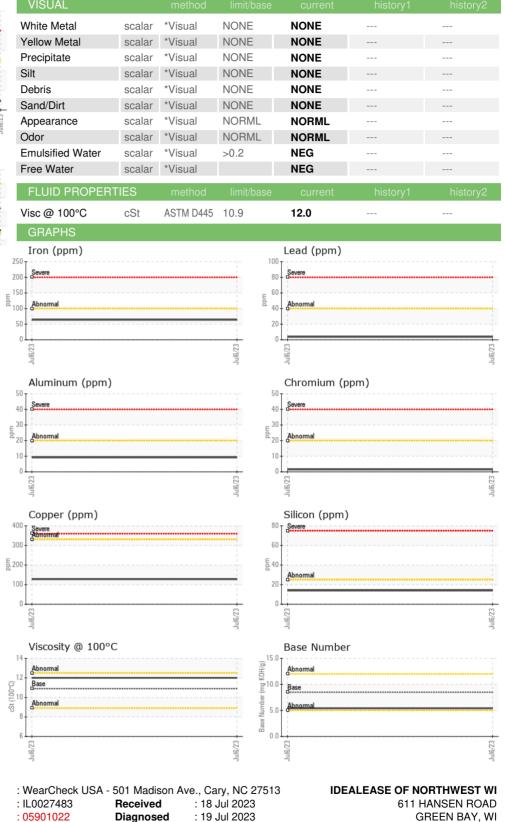


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: 19 Jul 2023 GREEN BAY, WI US 54304 Diagnostician : Wes Davis Test Package : MOB1+ (Additional Tests: FuelDilution, PercentFuel) Contact: GARY KOLTZ To discuss this sample report, contact Customer Service at 1-800-237-1369. gkoltz@pcitrucks.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (920)499-6200 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (920)499-5332

Certificate L2367

Laboratory

Sample No.

Lab Number

Unique Number

: 10562378

Contact/Location: GARY KOLTZ - IDEGREWI