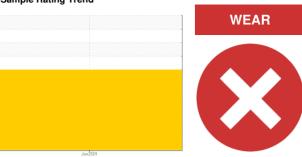


PROBLEM SUMMARY

Sample Rating Trend



Machine Id
389
Component
Diesel Engine

PENN GRADE 10W30 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE				
Lead	ppm	ASTM D5185m	>40	173				

Customer Id: DALWYO
Sample No.: WC0949416
Lab Number: 06217824
Test Package: FLEET

To manage this report scan the QR code

To discuss the diagnosis or test data:
Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

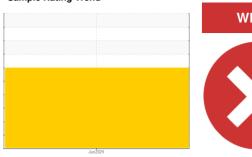
RECOMMENDED ACTIONS							
Action Inspect Wear Source	Status 	Date 	Done By	Description We advise that you inspect for the source(s) of wear.			
Change Fluid			?	Oil and filter change at the time of sampling has been noted.			
Change Filter			?	Oil and filter change at the time of sampling has been noted.			
Resample			?	We recommend an early resample to monitor this condition.			

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id
389
Component

Diesel Engine

PENN GRADE 10W30 (--- GAL)

DIAGNOSIS

▲ Recommendation

Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Wear

Bearing wear is indicated.

Contamination

There is no indication of any contamination in the

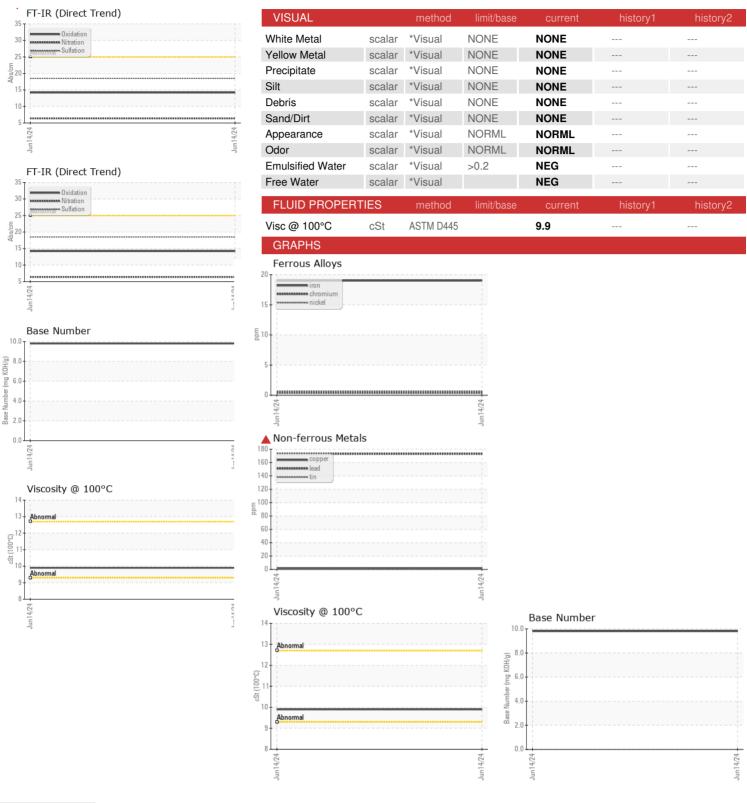
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

				Jun2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0949416		
Sample Number		Client Info		14 Jun 2024		
Machine Age	mls	Client Info		135000		
Oil Age	mls	Client Info		125		
Oil Changed	11113	Client Info		Changed		
Sample Status		Client inio		SEVERE		
·						
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	19		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	<1		
Aluminum	ppm	ASTM D5185m	>20	3		
Lead	ppm	ASTM D5185m	>40	173		
Copper	ppm	ASTM D5185m	>330	2		
Tin	ppm	ASTM D5185m	>15	2		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		6		
Barium	ppm	ASTM D5185m		1		
Molybdenum	ppm	ASTM D5185m		55		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m		635		
Calcium	ppm	ASTM D5185m		1601		
Phosphorus	ppm	ASTM D5185m		1311		
Zinc	ppm	ASTM D5185m		1557		
Sulfur	ppm	ASTM D5185m		4245		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5		
Sodium	ppm	ASTM D5185m		13		
Potassium	ppm	ASTM D5185m	>20	3		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1		
Nitration	Abs/cm	*ASTM D7624	>20	6.4		
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.5		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.2		
Base Number (BN)	mg KOH/g	ASTM D2896		9.8		
2400 Harribor (DIV)	mg Ronng			0.0		



OIL ANALYSIS REPORT







Sample No.

: WC0949416 Lab Number : 06217824 Unique Number : 11096021

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

Tested : 25 Jun 2024 Diagnosed

: 24 Jun 2024

: 25 Jun 2024 - Jonathan Hester

WYOMING, MI US 49519 Contact: DALTON BOUSCHOR DALTONBOUSCHOR@gmail.com T: (231)714-8227

1750 R W BERENDS DR SW . APT 10

DALTON BOUSCHOR

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)