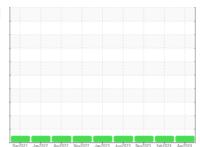


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **MIGHTY GIANT 21-716**

Diesel Engine

TRC MOLY XL PRO-SPEC IV XP 15W40 (16 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

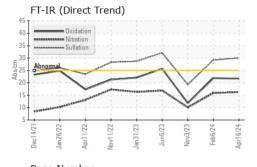
Fluid Condition

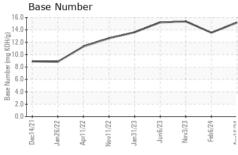
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

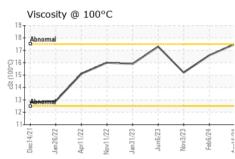
6 GAL) Decidi 21 Janúti 22 Aprilio 22 Aprilio 22 Janúti 23 Janút 23 Janút 23 Janút 23 Herido 24 Aprilio 24 Aprilio 24 Aprilio 24 Aprilio 24 Aprilio 24 Aprilio 25 Aprilio 25 Aprilio 26 Aprilio 26 Aprilio 27 Ap						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TR06157131	TR06110378	TR06006556
Sample Date		Client Info		16 Apr 2024	06 Feb 2024	03 Nov 2023
Machine Age	hrs	Client Info		2904	2598	2170
Oil Age	hrs	Client Info		306	525	97
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	46	62	7
Chromium	ppm	ASTM D5185m	>20	1	2	0
Nickel	ppm	ASTM D5185m	>2	0	<1	0
Titanium	ppm	ASTM D5185m	>2	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	4	4	2
Lead	ppm	ASTM D5185m	>40	5	3	0
Copper	ppm	ASTM D5185m	>330	3	13	7
Tin	ppm	ASTM D5185m	>15	2	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		8	0	6
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		167	147	124
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		33	24	40
Calcium	ppm	ASTM D5185m		6055	5165	4420
Phosphorus	ppm	ASTM D5185m		1174	992	948
Zinc	ppm	ASTM D5185m		1355	1213	1118
Sulfur	ppm	ASTM D5185m		5858	4930	4573
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	10	10	5
Sodium	ppm	ASTM D5185m		4	9	11
Potassium	ppm	ASTM D5185m	>20	<1	4	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.5	0.6	0.2
Nitration	Abs/cm	*ASTM D7624	>20	16.2	15.9	10.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	30.0	29.2	19.3
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.7	21.9	11.8
Base Number (BN)	mg KOH/g	ASTM D2896		15.16	13.54	15.35



OIL ANALYSIS REPORT





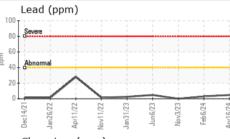


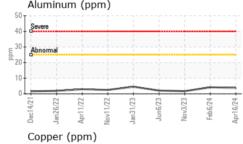
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

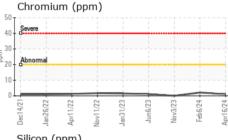
FLUID FROFEI	71163	method		HISTOLAL	HISTOLYZ
Visc @ 100°C	cSt	ASTM D445	17.5	16.6	15.2

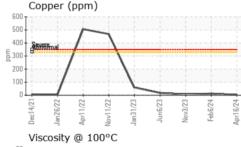
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214	Jan 26/22	Apr11/22	/22	/23	Jun6/23	Nov3/23	Feb6/24	Anr16/24
Dec14/2			_	Jan31)	9	€	9	- 4

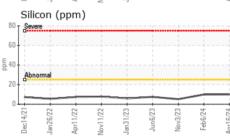
GRAPHS

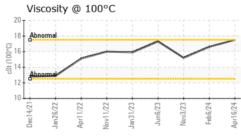


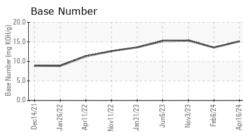
















Certificate 12367

Laboratory Sample No.

: TR06157131 Lab Number : 06157131 Unique Number : 10992554 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Apr 2024 **Tested** : 23 Apr 2024

Diagnosed : 25 Apr 2024 - Jonathan Hester **BEGGER ENTERPRISES LLC**

5126 VALLEY DRIVE EAST MILES CITY, MT US 59301

Contact: KELLY ZIETTLOW

To discuss this sample report, contact Customer Service at 1-800-827-0711.

* - 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)

T:

F: