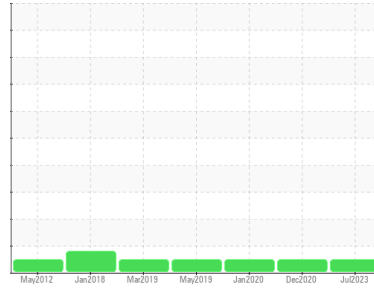




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
AGBAGINT 10000 HYPAC BAGGER 2 (S/N BEM03245)

Component
Diesel Engine

Fluid
TRC MOLY XL PRO-SPEC IV 15W40 (8 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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 INFORMATION

method	limit/base	current	history1	history2	
Sample Number	Client Info	TR0000921	TR05154024	TR04894768	
Sample Date	Client Info	11 Jul 2023	22 Dec 2020	14 Jan 2020	
Machine Age	hrs	Client Info	5578	0	815
Oil Age	hrs	Client Info	5114	0	84
Oil Changed	Client Info	Changed	Not Changd	Not Changd	
Sample Status		NORMAL	NORMAL	NORMAL	

CONTAMINATION

method	limit/base	current	history1	history2
Fuel	WC Method >5	<1.0	<1.0	<1.0
Glycol	WC Method	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >100	72	71	64
Chromium	ppm	ASTM D5185m >6	1	1	1
Nickel	ppm	ASTM D5185m >4	<1	<1	<1
Titanium	ppm	ASTM D5185m >2	0	<1	0
Silver	ppm	ASTM D5185m >2	0	<1	0
Aluminum	ppm	ASTM D5185m >30	3	2	4
Lead	ppm	ASTM D5185m >10	5	6	5
Copper	ppm	ASTM D5185m >150	124	157	164
Tin	ppm	ASTM D5185m >4	1	2	1
Antimony	ppm	ASTM D5185m	---	0	<1
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	8	<1
Barium	ppm	ASTM D5185m	2	0	0
Molybdenum	ppm	ASTM D5185m	156	166	149
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m	613	787	810
Calcium	ppm	ASTM D5185m 1300	2340	1805	1447
Phosphorus	ppm	ASTM D5185m	947	1000	918
Zinc	ppm	ASTM D5185m 1300	1283	1295	1070
Sulfur	ppm	ASTM D5185m	4000	3069	3779

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >20	6	5	4
Sodium	ppm	ASTM D5185m	5	12	6
Potassium	ppm	ASTM D5185m >20	2	5	1

INFRA-RED

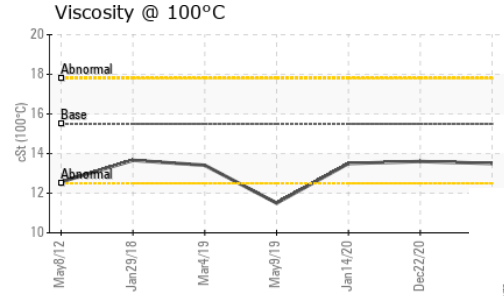
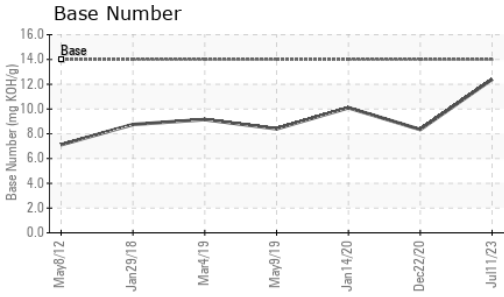
method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844 >3	0.5	0.4	0.4
Nitration	Abs/cm	*ASTM D7624 >20	13.2	13.5	12.7
Sulfation	Abs/.1mm	*ASTM D7415 >30	23.5	24.2	22.9

FLUID DEGRADATION

method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414 >25	18.3	19.5	18.7
Base Number (BN)	mg KOH/g	ASTM D2896 14	12.40	8.34	10.1



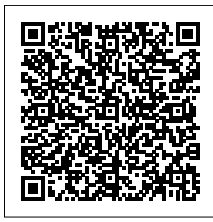
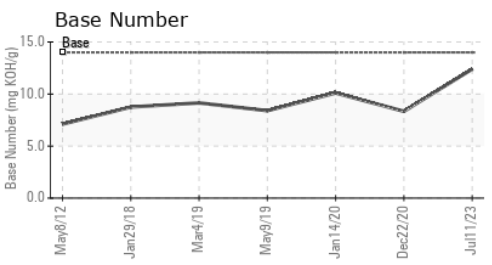
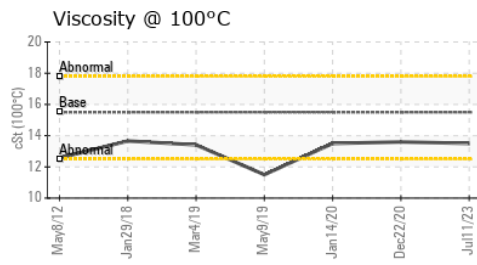
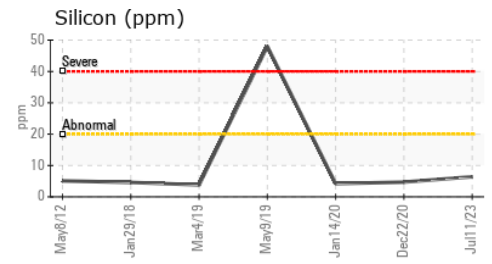
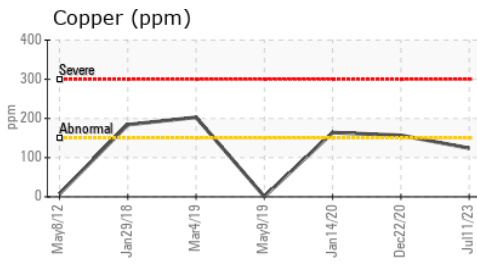
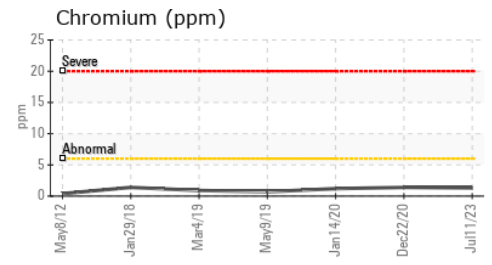
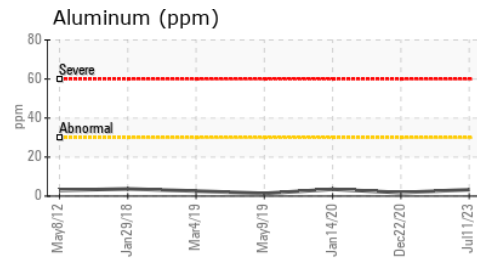
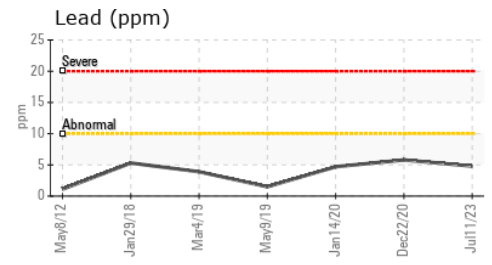
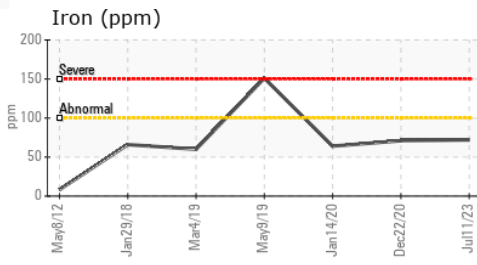
OIL ANALYSIS REPORT



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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.5	13.5	13.6

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TR0000921 **Received** : 14 Jul 2023
Lab Number : 05898776 **Diagnosed** : 17 Jul 2023
Unique Number : 10560132 **Diagnostician** : Don Baldrige
Test Package : MOB 2

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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)