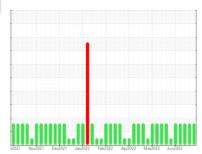


OIL ANALYSIS REPORT





Sample Rating Trend



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: Total oil added 118 gal)

Wear

All component wear rates are normal.

Contamination

Fuel content negligible. Elemental level of silicon (Si) above normal.

Fluid Condition

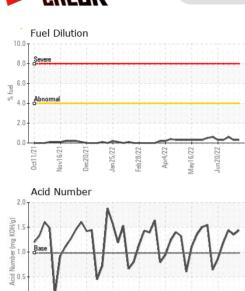
The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

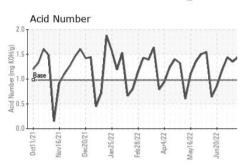
TRON CG 40 (145 GAL)						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0697938	WC0699031	WC0699033
Sample Date		Client Info		18 Jul 2022	11 Jul 2022	06 Jul 2022
Machine Age	hrs	Client Info		116053	115981	115870
Oil Age	hrs	Client Info		835	763	652
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>45	8	7	7
Chromium	ppm	ASTM D5185m	>2	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum	ppm	ASTM D5185m	>10	4	4	3
_ead	ppm	ASTM D5185m	>5	2	2	2
Copper	ppm	ASTM D5185m	>14	3	3	3
Γin	ppm	ASTM D5185m	>13	7	6	5
/anadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	2	2	4
Barium	ppm	ASTM D5185m	1	0	2	0
Molybdenum	ppm	ASTM D5185m	2	<1	<1	<1
Manganese	ppm	ASTM D5185m	1	<1	<1	<1
Magnesium	ppm	ASTM D5185m	9	15	12	10
Calcium	ppm	ASTM D5185m	2712	3056	3041	2769
Phosphorus	ppm	ASTM D5185m	292	296	298	269
Zinc	ppm	ASTM D5185m	342	369	378	333
Sulfur	ppm	ASTM D5185m	2575	3901	3959	3713
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>200	▲ 356	▲ 390	△ 387
Sodium	ppm	ASTM D5185m		<1	<1	0
Potassium	ppm	ASTM D5185m	>20	0	1	2
Fuel	%	ASTM D3524	>4.0	0.3	0.3	0.6
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0.1
Vitration	Abs/cm	*ASTM D7624	>20	7.0	7.0	6.3
	Abs/.1mm	*ASTM D7415	>30	25.3	25.4	22.9
Sulfation	AUS/. IIIIII					
Sulfation FLUID DEGRADA		method	limit/base	current	history1	history2
FLUID DEGRADA		method *ASTM D7414	limit/base >25	current 16.5	history1	history2 14.5
Sulfation FLUID DEGRADA Oxidation Acid Number (AN)	ATION					
FLUID DEGRADA	ATION Abs/.1mm	*ASTM D7414	>25	16.5	16.1	14.5

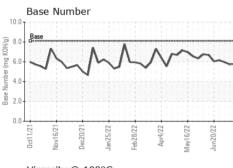


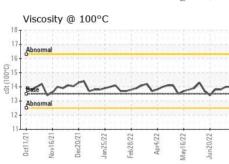
0.0

OIL ANALYSIS REPORT







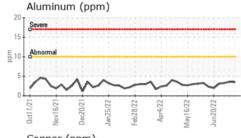


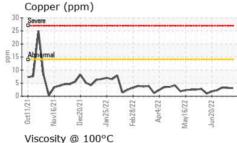
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

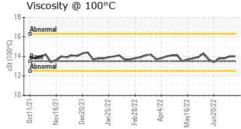
FLUID PROPERTIES		method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	13.5	14.0	14.0	13.8	

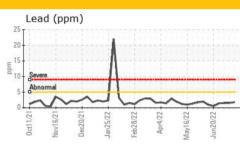
Iron (ppm) 100 80 60

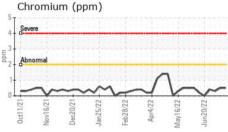
GRAPHS

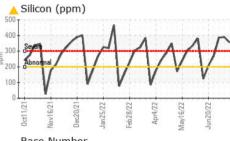


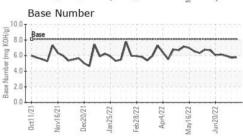
















Laboratory Sample No. Lab Number : 05596533 Unique Number : 10061013

: WC0697938

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

: 22 Jul 2022 Diagnosed

: 22 Jul 2022 - Jonathan Hester

: 20 Jul 2022

Test Package : MOB 2 (Additional Tests: FuelDilution, PercentFuel) Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

FINLEY BIOENERGY

74265 Bombing Range Road Boardman, OR

US 97818 Contact: Blain Middleton bmiddleton@archaea.energy

T: (541)481-3232 F:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)