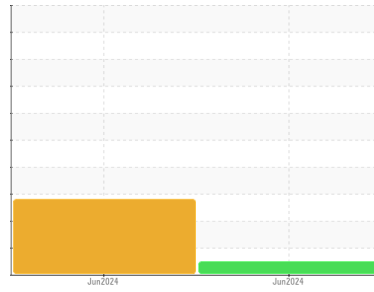




OIL ANALYSIS REPORT

Area
Infasco - I02400
 Machine Id
A2406128
 Component
Unknown Component
 Fluid
FORM & LUBE (--- GAL)

Sample Rating Trend



NORMAL



DIAGNOSIS

Recommendation

We certify that this oil is clean, that the additives are at acceptable levels, and that it is suitable for use.

Wear

Copper and iron ppm levels are noted.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Batch #	Client Info		2024 05 0911	2024 05 0911	---
Department	Client Info		Production	Production	---
Sample From	Client Info		Machine	Machine	---
Production Stage	Client Info		Initial	Final	---
Sent to WC	Client Info		06/25/2024	06/19/2024	---
Sample Number	Client Info		E30002473	E30002450	---
Sample Date	Client Info		19 Jun 2024	19 Jun 2024	---
Machine Age	hrs	Client Info	0	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed		Client Info	N/A	N/A	---
Sample Status			NORMAL	ABNORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	465	452	---
Chromium	ppm	ASTM D5185(m)	<1	<1	---
Nickel	ppm	ASTM D5185(m)	10	10	---
Titanium	ppm	ASTM D5185(m)	0	0	---
Silver	ppm	ASTM D5185(m)	0	0	---
Aluminum	ppm	ASTM D5185(m)	4	4	---
Lead	ppm	ASTM D5185(m)	2	2	---
Copper	ppm	ASTM D5185(m)	80	79	---
Tin	ppm	ASTM D5185(m)	0	0	---
Antimony	ppm	ASTM D5185(m)	0	0	---
Vanadium	ppm	ASTM D5185(m)	<1	<1	---
Beryllium	ppm	ASTM D5185(m)	0	0	---
Cadmium	ppm	ASTM D5185(m)	0	0	---

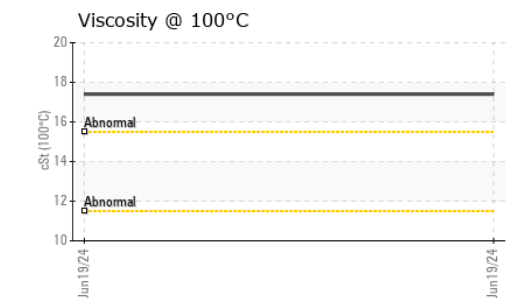
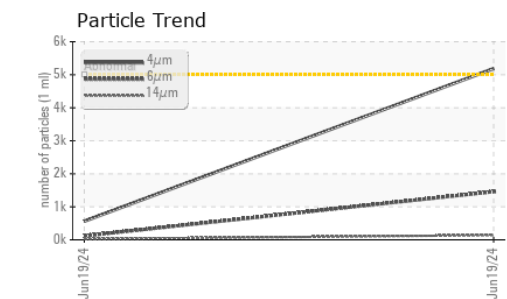
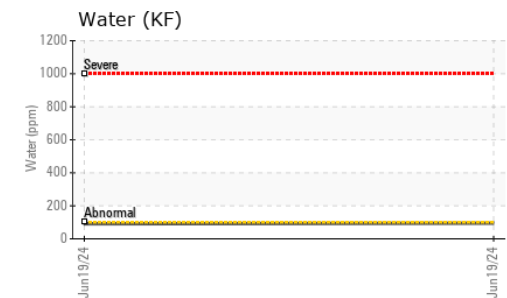
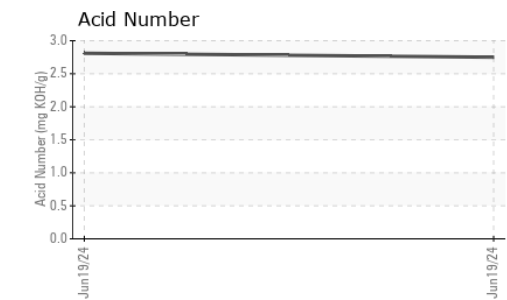
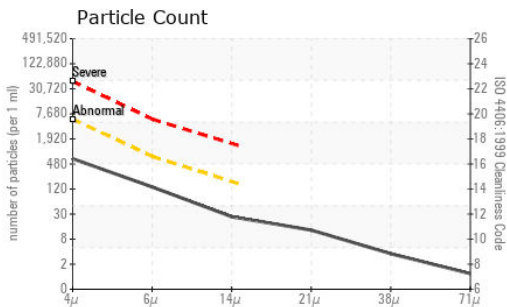
ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<1	<1	---
Barium	ppm	ASTM D5185(m)	<1	<1	---
Molybdenum	ppm	ASTM D5185(m)	0	0	---
Manganese	ppm	ASTM D5185(m)	5	5	---
Magnesium	ppm	ASTM D5185(m)	5	5	---
Calcium	ppm	ASTM D5185(m)	350	340	---
Phosphorus	ppm	ASTM D5185(m)	295	285	---
Zinc	ppm	ASTM D5185(m)	57	57	---
Sulfur	ppm	ASTM D5185(m)	1947	1973	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1	4	---
Sodium	ppm	ASTM D5185(m)	5	4	---
Potassium	ppm	ASTM D5185(m) >20	1	<1	---
Water	%	ASTM D6304*	0.009	0.009	---
ppm Water	ppm	ASTM D6304*	95	91	---

OIL ANALYSIS REPORT



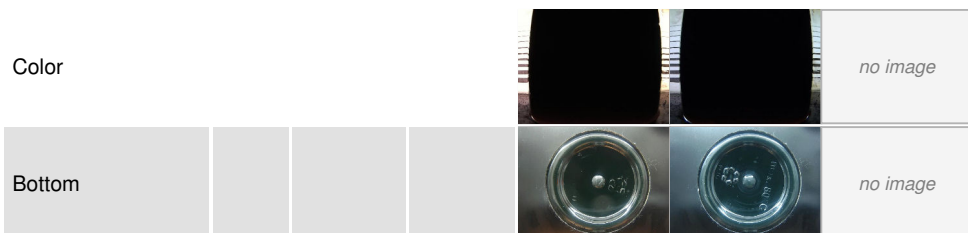
FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	564	● 5187	---
Particles >6µm	ASTM D7647	>640	119	▲ 1461	---
Particles >14µm	ASTM D7647	>160	23	140	---
Particles >21µm	ASTM D7647	>40	11	35	---
Particles >38µm	ASTM D7647	>10	3	3	---
Particles >71µm	ASTM D7647	>3	1	1	---
Oil Cleanliness	ISO 4406 (c)	>19/16/14	16/14/12	▲ 20/18/14	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974*		2.75	2.81	---

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*		NEG	NEG	---
Free Water	scalar Visual*		NEG	NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D7279(m)		189	186	---
Visc @ 100°C	cSt ASTM D7279(m)		17.4	17.4	---
Viscosity Index (VI)	Scale ASTM D2270*		98	100	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : E30002473
Lab Number : 02644349
Unique Number : 5801888
Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, TAN Man, VI)

Environmental 360 Solutions Ltd.
 640 Victoria Street
 Cobourg, ON
 CA K9A 5H5
 Contact: Tatiana Sorkina
 tsorkina@e360s.ca
 T: (800)263-3939
 F: (905)373-4950

To discuss this sample report, contact Customer Service at 1-905-372-2251.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.