

PROBLEM SUMMARY

Sample Rating Trend

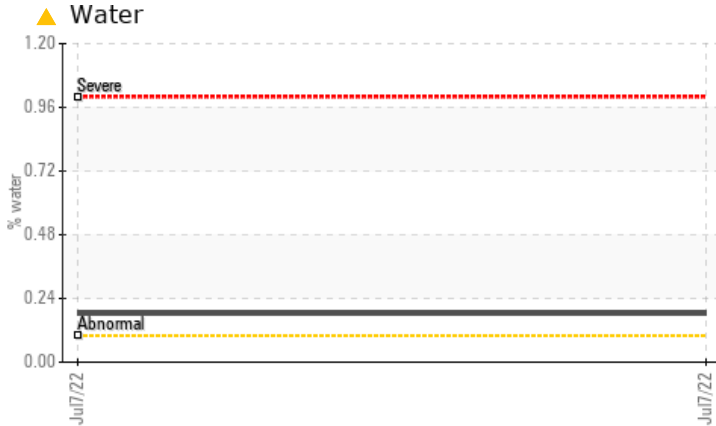
WATER



Area
MELT SHOP
 Machine Id
ECOSAFE S3 DU 46 TOTE 3
 Component
New (Unused) Oil
 Fluid
{not provided} (--- QTS)



COMPONENT CONDITION SUMMARY



RECOMMENDATION

This is a baseline read-out on the submitted sample.

PROBLEMATIC TEST RESULTS

Sample Status			MARGINAL	---	---
Water	%	ASTM D6304	▲ 0.183	---	---
ppm Water	ppm	ASTM D6304	▲ 1835.3	---	---

Customer Id: OUTCALAL
 Sample No.: RP0028656
 Lab Number: 05586975
 Test Package: IND 2



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

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



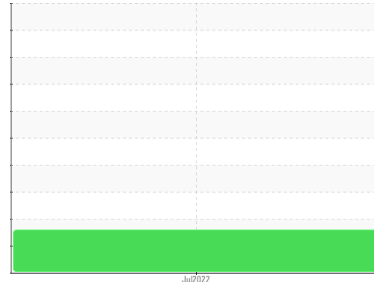
OIL ANALYSIS REPORT

Sample Rating Trend

WATER



Area
MELT SHOP
 Machine Id
ECOSAFE S3 DU 46 TOTE 3
 Component
New (Unused) Oil
 Fluid
{not provided} (--- QTS)



DIAGNOSIS

- Recommendation**
This is a baseline read-out on the submitted sample.
- Contamination**
There is a trace of moisture present in the oil.

SAMPLE INFORMATION

	method	limit/base	current	history 1	history 2
Sample Number	Client Info		RP0028656	---	---
Sample Date	Client Info		07 Jul 2022	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			MARGINAL	---	---

WEAR METALS

	method	limit/base	current	history 1	history 2
PQ	ASTM D8184		29	---	---
Iron	ppm	ASTM D5185m >5	<1	---	---
Chromium	ppm	ASTM D5185m >5	0	---	---
Nickel	ppm	ASTM D5185m >5	<1	---	---
Titanium	ppm	ASTM D5185m	0	---	---
Silver	ppm	ASTM D5185m >5	<1	---	---
Aluminum	ppm	ASTM D5185m >5	<1	---	---
Lead	ppm	ASTM D5185m >5	<1	---	---
Copper	ppm	ASTM D5185m >5	<1	---	---
Tin	ppm	ASTM D5185m >5	1	---	---
Vanadium	ppm	ASTM D5185m	0	---	---
Cadmium	ppm	ASTM D5185m	<1	---	---

ADDITIVES

	method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	7	---	---
Barium	ppm	ASTM D5185m	0	---	---
Molybdenum	ppm	ASTM D5185m	0	---	---
Manganese	ppm	ASTM D5185m	<1	---	---
Magnesium	ppm	ASTM D5185m	0	---	---
Calcium	ppm	ASTM D5185m	0	---	---
Phosphorus	ppm	ASTM D5185m	616	---	---
Zinc	ppm	ASTM D5185m	0	---	---

CONTAMINANTS

	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m >15	<1	---	---
Sodium	ppm	ASTM D5185m	0	---	---
Potassium	ppm	ASTM D5185m >20	1	---	---
Water	%	ASTM D6304	▲ 0.183	---	---
ppm Water	ppm	ASTM D6304	▲ 1835.3	---	---

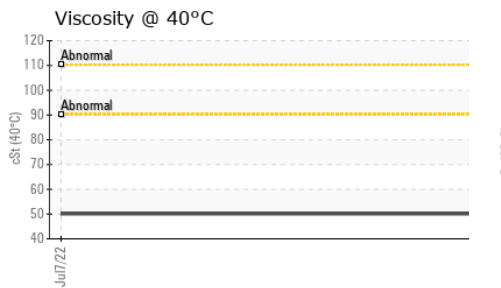
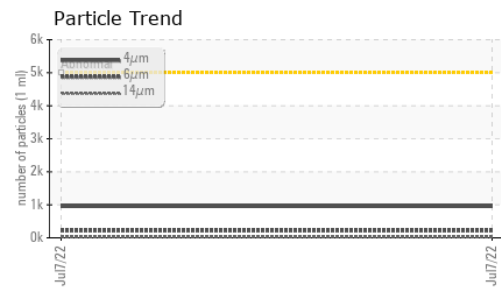
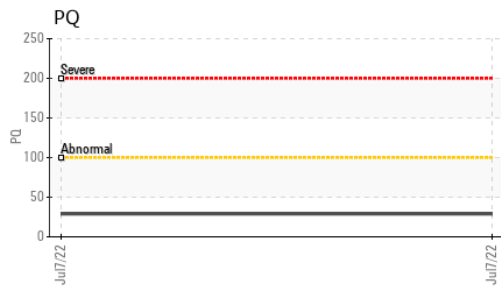
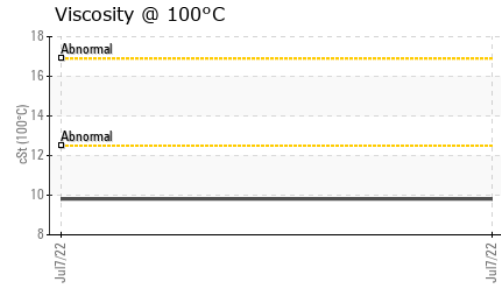
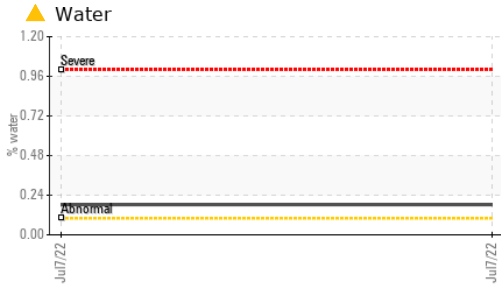
FLUID CLEANLINESS

	method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647	>5000	953	---	---
Particles >6µm	ASTM D7647	>1300	218	---	---
Particles >14µm	ASTM D7647	>160	23	---	---
Particles >21µm	ASTM D7647	>40	8	---	---
Particles >38µm	ASTM D7647	>10	0	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	17/15/12	---	---

FLUID DEGRADATION

	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.51	---	---

OIL ANALYSIS REPORT

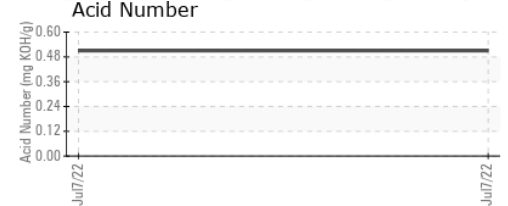
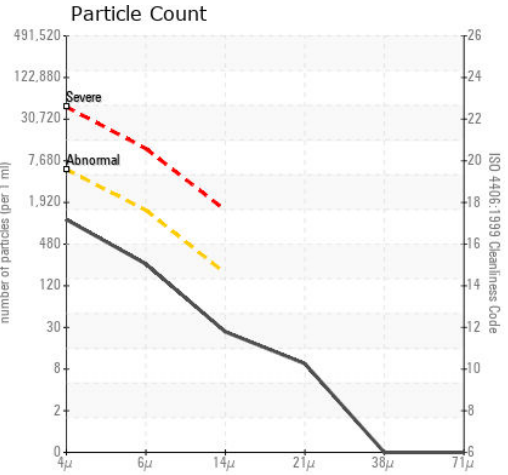
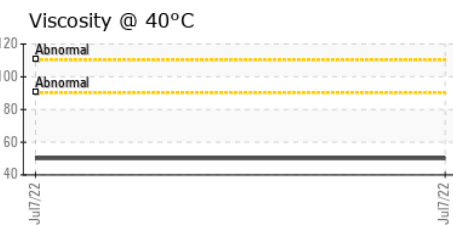
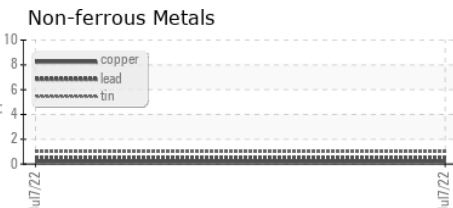


VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	VLITE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	NEG	---	---
Free Water	scalar	*Visual	NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	50.11	---	---
Visc @ 100°C	cSt	ASTM D445	9.81	---	---
Viscosity Index (VI)	Scale	ASTM D2270	185	---	---

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0028656 **Received** : 08 Jul 2022
Lab Number : 05586975 **Diagnosed** : 12 Jul 2022
Unique Number : 10046422 **Diagnostician** : Jonathan Hester
Test Package : IND 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PQ, PrtCount, VI) **Contact:** MARIO JOHNSON
 To discuss this sample report, contact Customer Service at 1-800-237-1369. **Mario.johnson@outokumpu.com**
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. **T: (251)321-4105**
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) **F: x:**