



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Area
DTE HEAVY
 Machine Id
SULLAIR 003-121662 - SPARTA LIGHT METALS
 Component
Compressor

RECOMMENDATION

We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

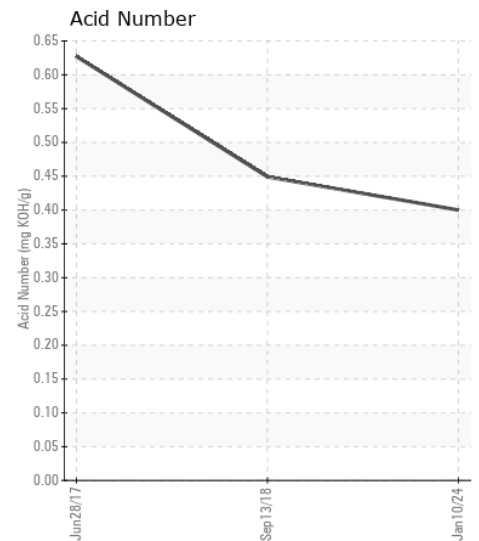
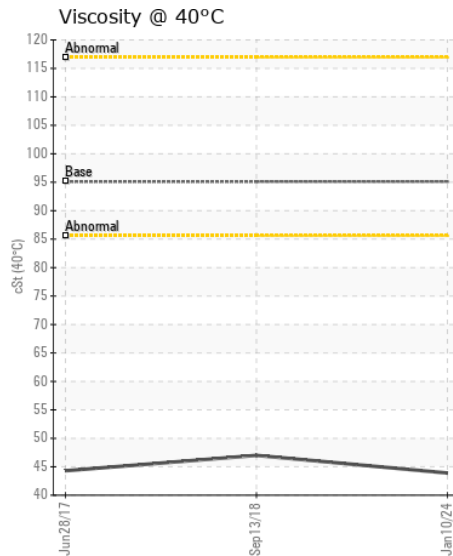
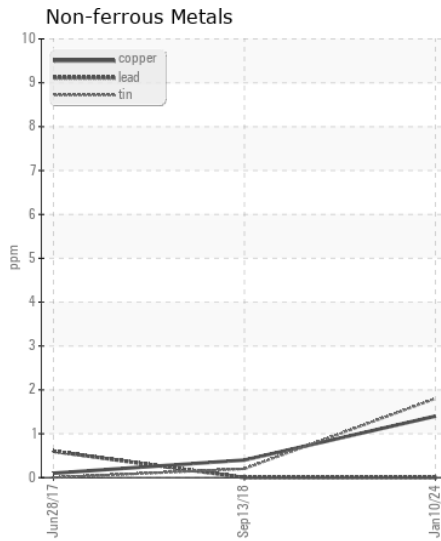
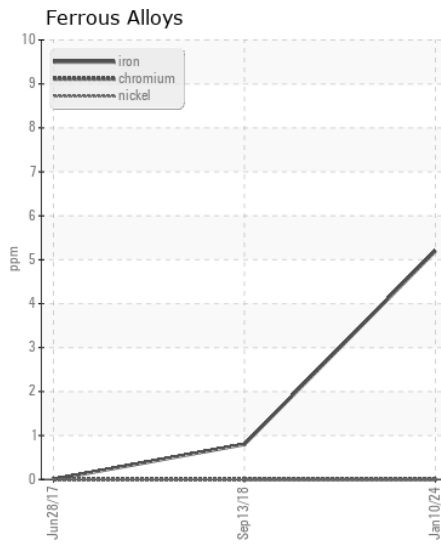
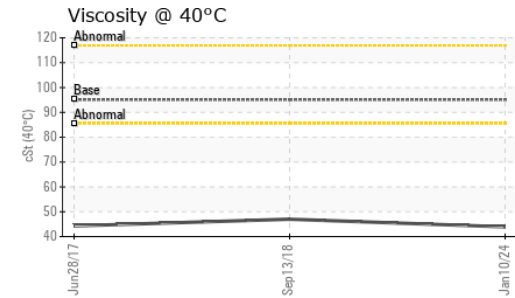
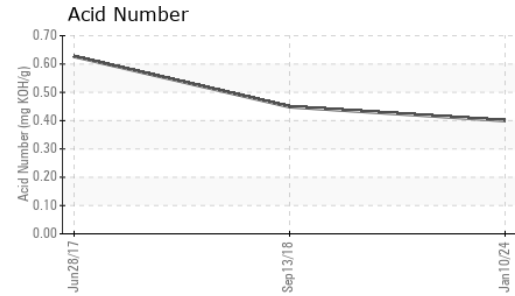
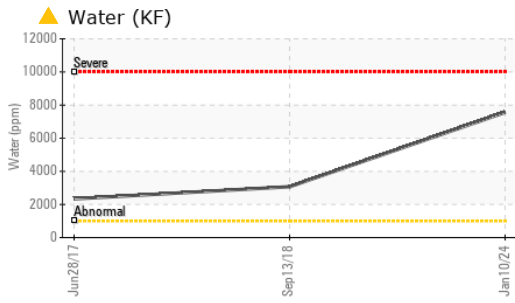
CONTAMINATION

There is a moderate concentration of water present in the oil. Excessive free water present.

FLUID CONDITION

The AN level is acceptable for this fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCH06056816	UCH04572634	WC04255846
Sample Date		Client Info		10 Jan 2024	13 Sep 2018	28 Jun 2017
Machine Age	hrs	Client Info		0	0	13359
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				ATTENTION	ABNORMAL	MARGINAL
Iron	ppm	ASTM D5185m	>50	5	<1	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	1	<1	0
Lead	ppm	ASTM D5185m	>25	0	0	<1
Copper	ppm	ASTM D5185m	>50	1	<1	<1
Tin	ppm	ASTM D5185m	>15	2	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	<1	<1	15
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
Water	%	ASTM D6304	>0.1	▲ 0.756	▲ 0.307	▲ 0.234
ppm Water	ppm	ASTM D6304	>1000	▲ 7560	▲ 3070	▲ 2340
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	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	▲ 0.2%	0.2%	0.2%
Sodium	ppm	ASTM D5185m		0	1	21
Boron	ppm	ASTM D5185m		0	<1	3
Barium	ppm	ASTM D5185m		<1	1	<1
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		0	<1	0
Phosphorus	ppm	ASTM D5185m		266	217	136
Zinc	ppm	ASTM D5185m		<1	8	0
Sulfur	ppm	ASTM D5185m		852	205	208
Acid Number (AN)	mg KOH/g	ASTM D8045		0.40	0.449	0.627
Visc @ 40°C	cSt	ASTM D445	95.1	43.9	47.00	44.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH06056816 **Received** : 10 Jan 2024
Lab Number : 06056816 **Diagnosed** : 12 Jan 2024
Unique Number : 10822765 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF)

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.

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

HTE TECHNOLOGIES
 2021 CONGRESSIONAL DR
 ST LOUIS, MO
 US 63146
 Contact: JOSH DYRLAND
 josh.dyrland@htetech.com
 T: (314)731-4444
 F: (314)731-4424