



PROBLEM SUMMARY



Machine Id
CASE 580N CASE 580N (S/N NOT GIVEN)
 Component
Hydraulic System
 Fluid
CASE AKCELA NEXPLORE 10W30 (--- GAL)

Sample Rating Trend

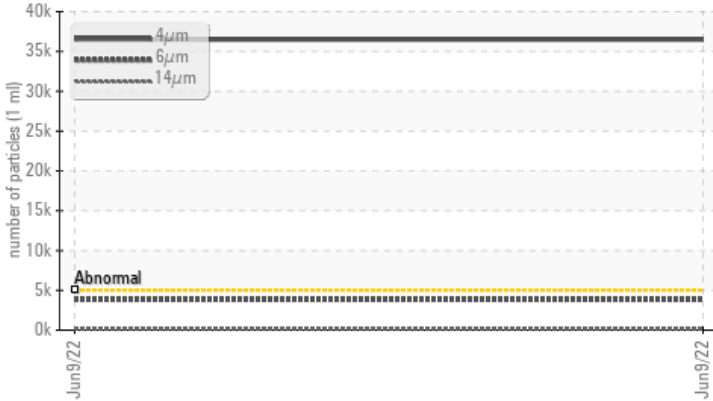


VISCOSITY

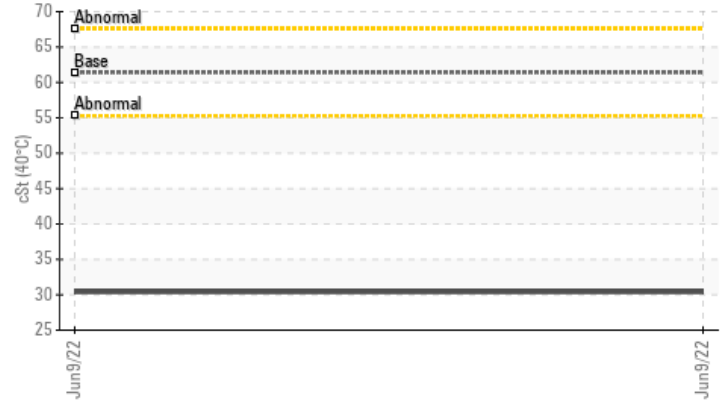


COMPONENT CONDITION SUMMARY

▲ Particle Trend



▲ Viscosity @ 40°C



RECOMMENDATION

No corrective action is recommended at this time.
 Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status	ASTM D7647	>5000	▲ 36494	---	---
Particles >4µm	ASTM D7647	>1300	▲ 3823	---	---
Particles >6µm	ISO 4406 (c)	>19/17/14	▲ 22/19/14	---	---
Oil Cleanliness	ASTM D445	61.4	▲ 30.4	---	---
Visc @ 40°C	cSt				

Customer Id: TEXMAN
 Sample No.: TE0000252
 Lab Number: 05570050
 Test Package: CONST



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

VISCOSITY



Machine Id
CASE 580N CASE 580N (S/N NOT GIVEN)
 Component
Hydraulic System
 Fluid
CASE AKCELA NEXPLORE 10W30 (--- GAL)



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

Viscosity of sample indicates oil is within ISO 32 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	TE0000252	---	---
Sample Date	Client Info	09 Jun 2022	---	---
Machine Age	hrs Client Info	105	---	---
Oil Age	hrs Client Info	105	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	NEG	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >65	2	---	---
Chromium	ppm ASTM D5185m >6	<1	---	---
Nickel	ppm ASTM D5185m	0	---	---
Titanium	ppm ASTM D5185m	0	---	---
Silver	ppm ASTM D5185m	<1	---	---
Aluminum	ppm ASTM D5185m >5	1	---	---
Lead	ppm ASTM D5185m >45	<1	---	---
Copper	ppm ASTM D5185m >120	<1	---	---
Tin	ppm ASTM D5185m >4	0	---	---
Vanadium	ppm ASTM D5185m	0	---	---
Cadmium	ppm ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	108	---	---
Barium	ppm ASTM D5185m	0	---	---
Molybdenum	ppm ASTM D5185m	<1	---	---
Manganese	ppm ASTM D5185m	<1	---	---
Magnesium	ppm ASTM D5185m	14	---	---
Calcium	ppm ASTM D5185m	2795	---	---
Phosphorus	ppm ASTM D5185m	872	---	---
Zinc	ppm ASTM D5185m	1145	---	---
Sulfur	ppm ASTM D5185m	3133	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >25	15	---	---
Sodium	ppm ASTM D5185m	1	---	---
Potassium	ppm ASTM D5185m >20	0	---	---

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	▲ 36494	---	---
Particles >6µm	ASTM D7647 >1300	▲ 3823	---	---
Particles >14µm	ASTM D7647 >160	129	---	---
Particles >21µm	ASTM D7647 >40	21	---	---
Particles >38µm	ASTM D7647 >10	1	---	---
Particles >71µm	ASTM D7647 >3	0	---	---
Oil Cleanliness	ISO 4406 (c) >19/17/14	▲ 22/19/14	---	---

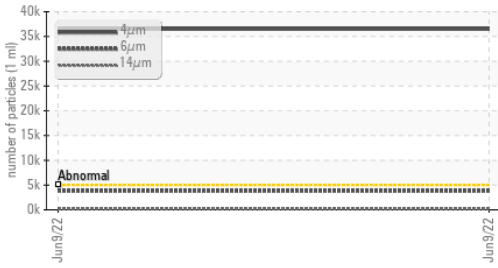
FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	0.76	---	---

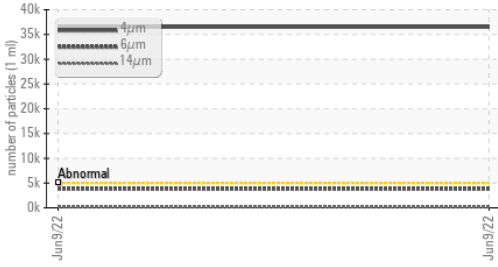


OIL ANALYSIS REPORT

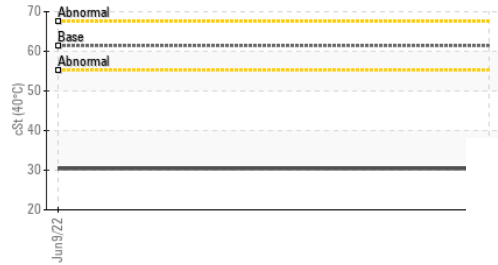
▲ Particle Trend



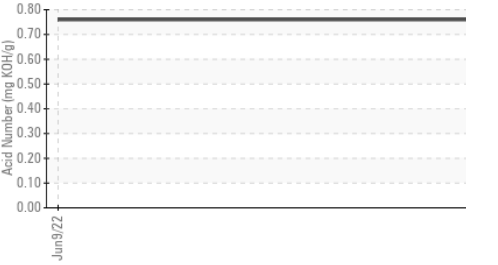
▲ Particle Trend



▲ Viscosity @ 40°C



Acid Number



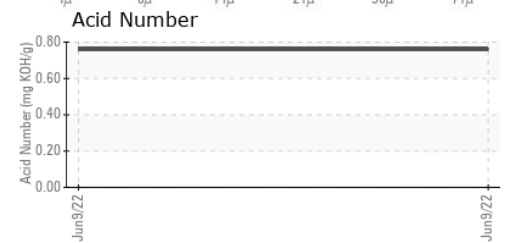
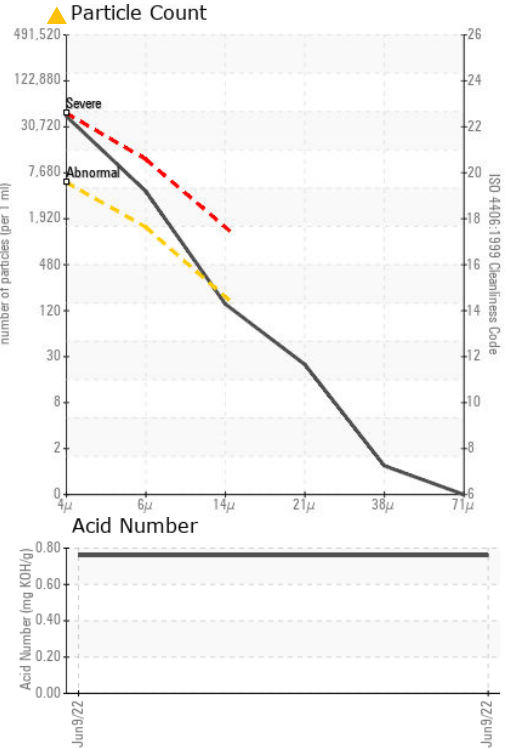
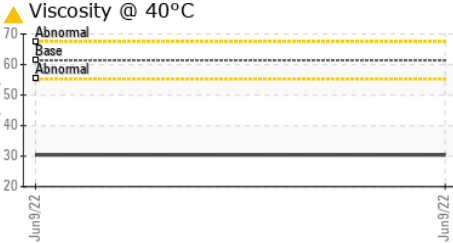
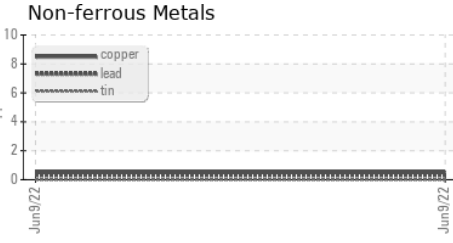
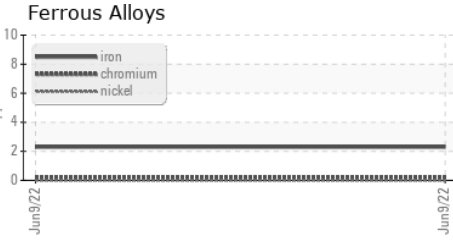
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	61.4 ▲ 30.4	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color		no image	no image
Bottom		no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : TE0000252 Received : 16 Jun 2022
 Lab Number : 05570050 Diagnosed : 17 Jun 2022
 Unique Number : 10019467 Diagnostician : Jonathan Hester
 Test Package : CONST

ASSOCIATED SUPPLY CO
 12805 HWY 290 EAST
 MANOR, TX
 US 78653
 Contact: TAMMY TRAFTON
 TTRAFTON@ASCOEQ.COM
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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)