



Area  
**[16W15975]**  
 Machine Id  
**CASE 721F C327175 (S/N NCF216455)**  
 Component  
**Rear Axle**  
 Fluid  
**CASE AKCELA NEXPLORE 10W30 (24 QTS)**

### RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. ( Customer Sample Comment: 16W15975 )

### WEAR

Gear wear is indicated. Component wear metal level(s) high for break in.

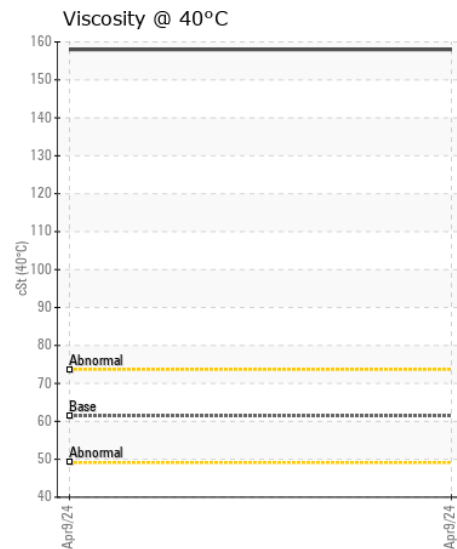
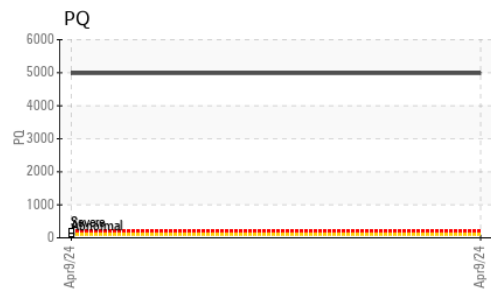
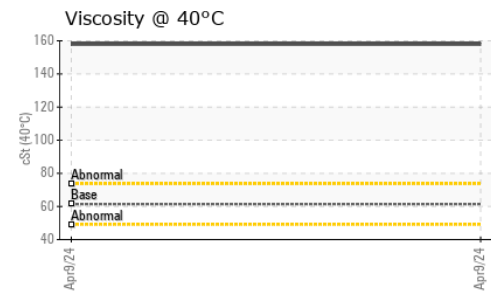
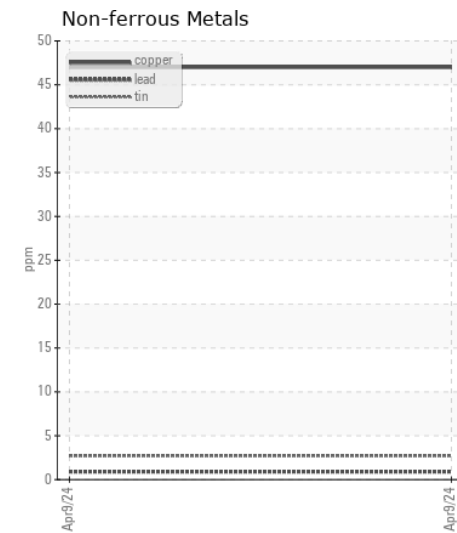
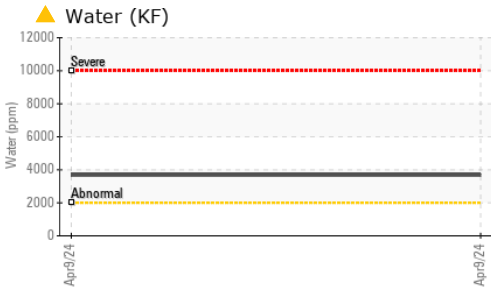
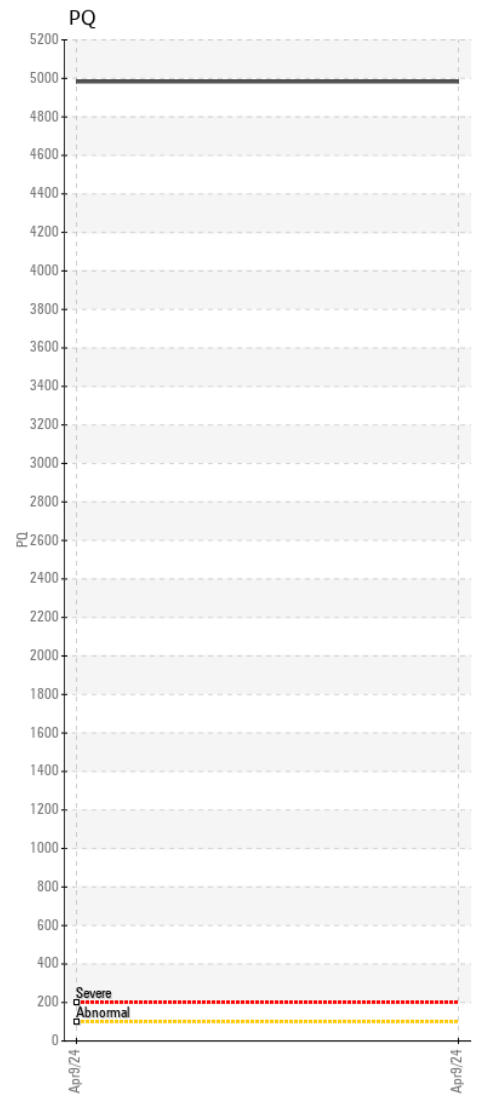
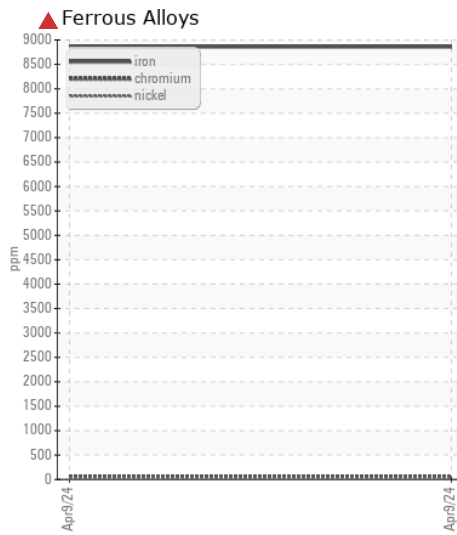
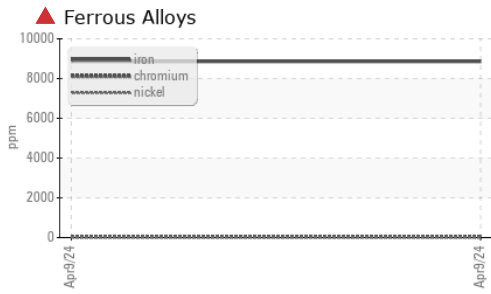
### CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a light concentration of water present in the oil.

### FLUID CONDITION

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0206927	---	---
Sample Date		Client Info		09 Apr 2024	---	---
Machine Age	hrs	Client Info		4465	---	---
Oil Age	hrs	Client Info		4465	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---
PQ		ASTM D8184		4983	---	---
Iron	ppm	ASTM D5185m	>500	▲ 8861	---	---
Chromium	ppm	ASTM D5185m	>10	▲ 42	---	---
Nickel	ppm	ASTM D5185m	>10	▲ 17	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>25	3	---	---
Lead	ppm	ASTM D5185m	>25	<1	---	---
Copper	ppm	ASTM D5185m	>50	47	---	---
Tin	ppm	ASTM D5185m	>10	3	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>75	53	---	---
Potassium	ppm	ASTM D5185m	>20	0	---	---
Water	%	ASTM D6304	>0.2	▲ 0.368	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 3680	---	---
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	>0.2	0.2%	---	---
Sodium	ppm	ASTM D5185m		9	---	---
Boron	ppm	ASTM D5185m		30	---	---
Barium	ppm	ASTM D5185m		4	---	---
Molybdenum	ppm	ASTM D5185m		79	---	---
Manganese	ppm	ASTM D5185m		65	---	---
Magnesium	ppm	ASTM D5185m		13	---	---
Calcium	ppm	ASTM D5185m		1807	---	---
Phosphorus	ppm	ASTM D5185m		888	---	---
Zinc	ppm	ASTM D5185m		859	---	---
Sulfur	ppm	ASTM D5185m		6920	---	---
Visc @ 40°C	cSt	ASTM D445	61.4	158	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0206927

Lab Number : 06146166

Unique Number : 10976244

Test Package : CONST ( Additional Tests: KF, PQ )

Received : 11 Apr 2024

Tested : 15 Apr 2024

Diagnosed : 15 Apr 2024 - Don Baldrige

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)

JRE - CASTLE HAYNE

113 CROWATAN ROAD

CASTLE HAYNE, NC

US 28429-5819

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F: