



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Machine Id
RK QUINT 52
 Component
Hydraulic System
 Fluid
AW HYDRAULIC OIL ISO 32 (--- QTS)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

CONTAMINATION

Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material.

FLUID CONDITION

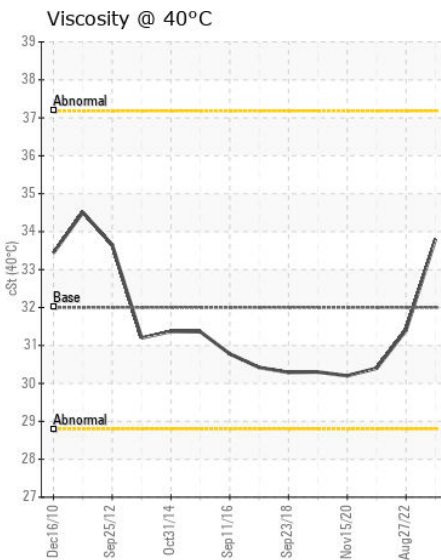
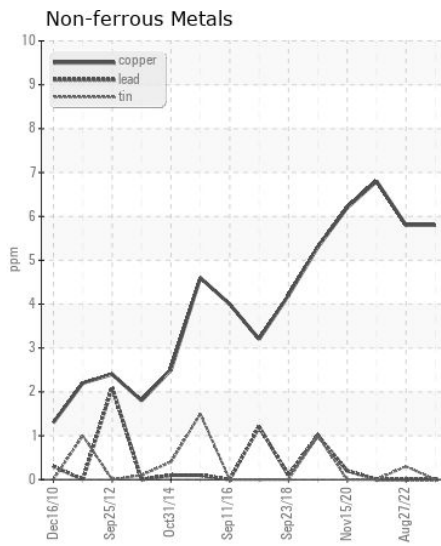
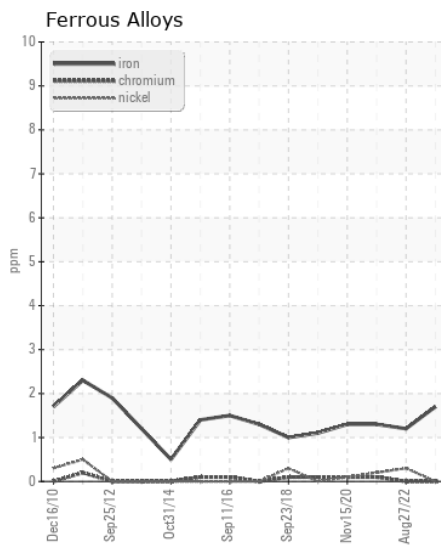
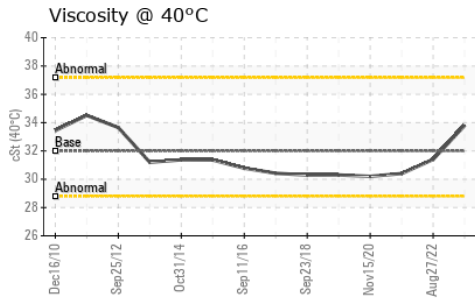
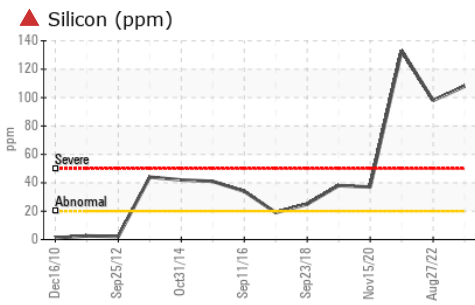
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0938771	WC0724225	WC0609579
Sample Date		Client Info		27 Jun 2024	27 Aug 2022	23 Aug 2021
Machine Age	mls	Client Info		50668	0	0
Oil Age	mls	Client Info		68756	0	0
Filter Age	mls	Client Info		68756	0	0
Oil Changed		Client Info		N/A	Not Changd	N/A
Filter Changed		Client Info		N/A	Not Changd	N/A
Sample Status				SEVERE	SEVERE	SEVERE

Iron	ppm	ASTM D5185m	>20	2	1	1
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	4	0
Aluminum	ppm	ASTM D5185m	>10	1	2	2
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>75	6	6	7
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>20	▲ 108	▲ 98	▲ 133
Potassium	ppm	ASTM D5185m	>20	17	0	0
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	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	NEG	NEG	NEG

Sodium	ppm	ASTM D5185m		8	0	<1
Boron	ppm	ASTM D5185m	5	0	0	<1
Barium	ppm	ASTM D5185m	5	0	<1	<1
Molybdenum	ppm	ASTM D5185m	5	7	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	25	10	<1	2
Calcium	ppm	ASTM D5185m	200	119	23	37
Phosphorus	ppm	ASTM D5185m	300	269	256	288
Zinc	ppm	ASTM D5185m	370	278	295	292
Sulfur	ppm	ASTM D5185m	2500	1585	1126	1350
Visc @ 40°C	cSt	ASTM D445	32	33.8	31.4	30.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0938771
Lab Number : 06233713
Unique Number : 11117206
Test Package : FLEET
Received : 11 Jul 2024
Tested : 12 Jul 2024
Diagnosed : 13 Jul 2024 - Don Baldrige

MCDONOUGH FIRE DEPT
 1063 INDUSTRIAL PKWY
 MCDONOUGH, GA
 US 30253
 Contact: STEVE MORGAN

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)

T: (678)614-4287

F: