



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[CONHER]
 Machine Id
INTERNATIONAL RT ATPS - R16 Prostar
 Component
Diesel Engine
 Fluid
FLEETRITE 15W40 API CI-4/SL (47 LTR)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample
 Comment: Fluid: Fleetrite 15W40 API CI-4/SL)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		KL0014596	---	---
Sample Date		Client Info		17 Jun 2024	---	---
Machine Age	kms	Client Info		480672	---	---
Oil Age	kms	Client Info		1	---	---
Filter Age	kms	Client Info		1	---	---
Oil Changed		Client Info		Not Chngd	---	---
Filter Changed		Client Info		Not Chngd	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	3	---	---
Chromium	ppm	ASTM D5185m	>20	<1	---	---
Nickel	ppm	ASTM D5185m	>4	<1	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m	>3	<1	---	---
Aluminum	ppm	ASTM D5185m	>20	2	---	---
Lead	ppm	ASTM D5185m	>40	<1	---	---
Copper	ppm	ASTM D5185m	>330	<1	---	---
Tin	ppm	ASTM D5185m	>15	<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

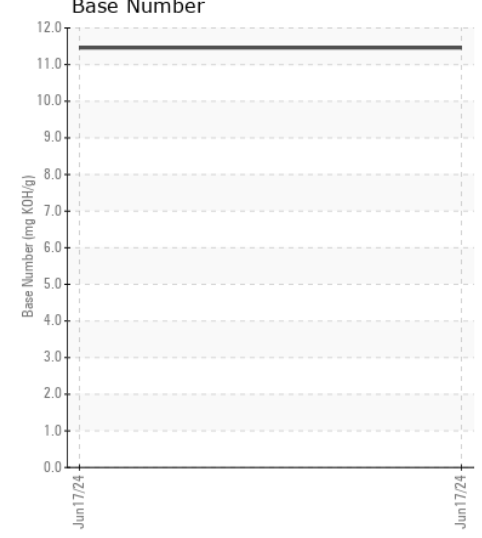
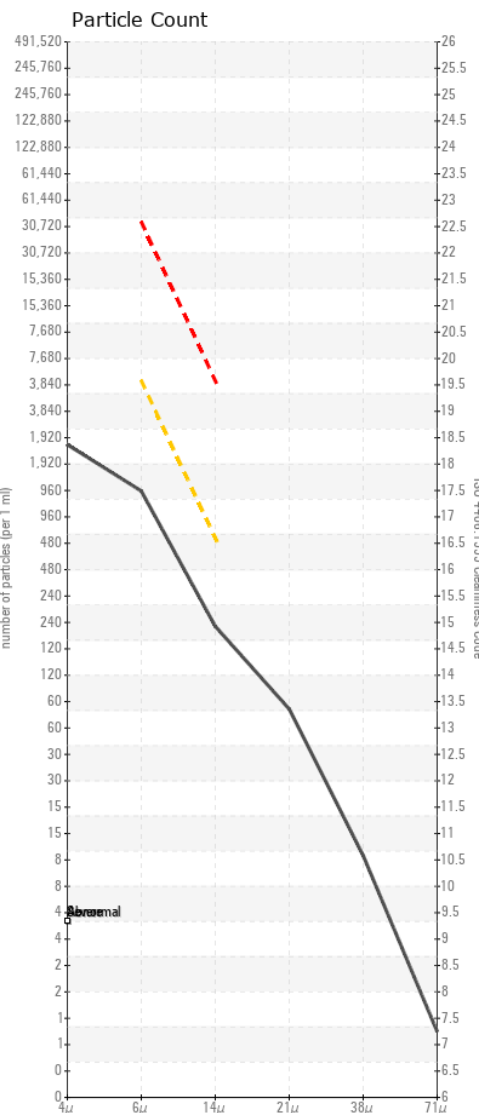
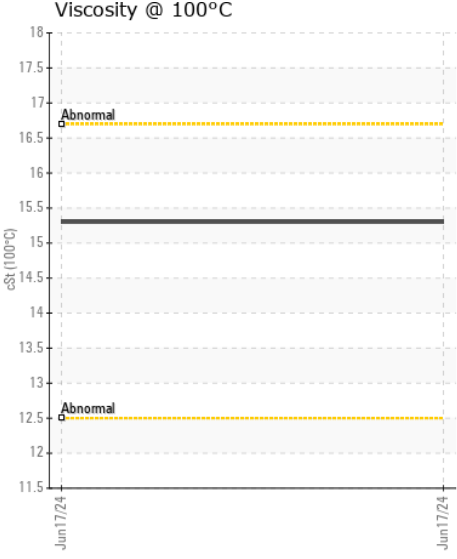
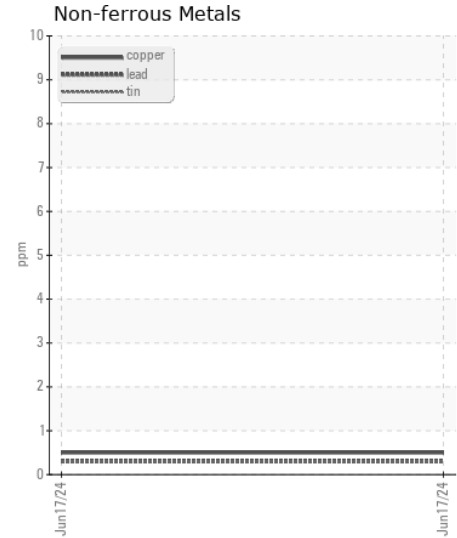
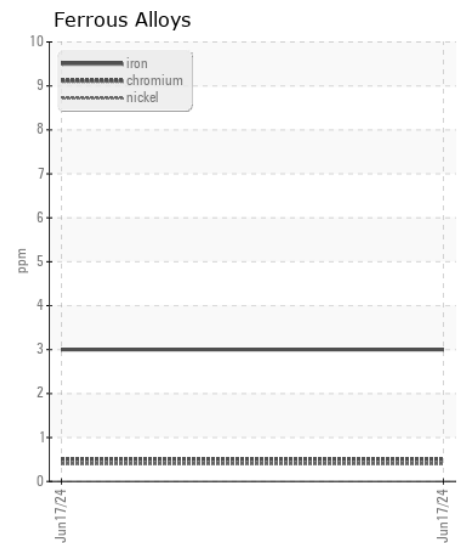
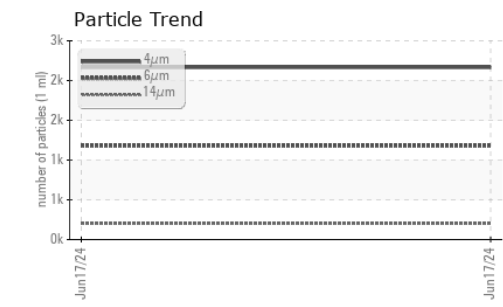
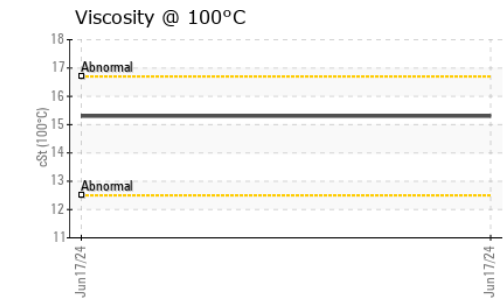
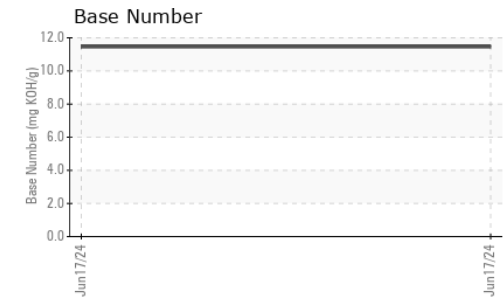
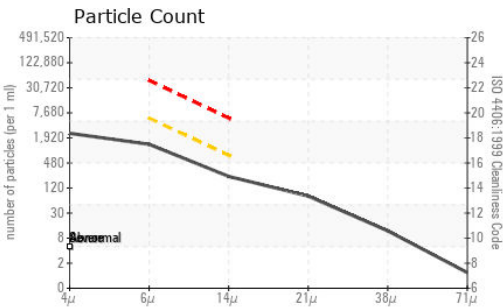
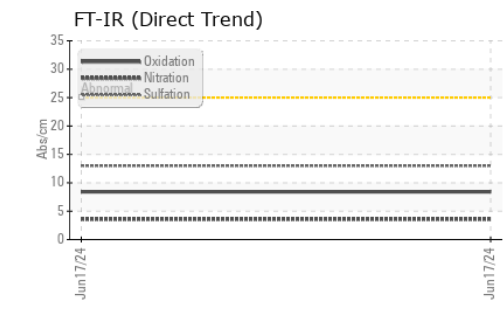
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>25	7	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---
Fuel		WC Method	>2.0	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	*ASTM D7844	>3	0.1	---	---
Nitration	Abs/cm	*ASTM D7624	>20	3.6	---	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	13.0	---	---
Particles >4µm		ASTM D7647		2166	---	---
Particles >6µm		ASTM D7647	>5000	1180	---	---
Particles >14µm		ASTM D7647	>640	201	---	---
Particles >21µm		ASTM D7647	>160	68	---	---
Particles >38µm		ASTM D7647	>40	10	---	---
Particles >71µm		ASTM D7647	>10	1	---	---
Oil Cleanliness		ISO 4406 (c)	>19/16	17/15	---	---
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	NEG	---	---

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<1	---	---
Boron	ppm	ASTM D5185m		125	---	---
Barium	ppm	ASTM D5185m		3	---	---
Molybdenum	ppm	ASTM D5185m		<1	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		21	---	---
Calcium	ppm	ASTM D5185m		3255	---	---
Phosphorus	ppm	ASTM D5185m		889	---	---
Zinc	ppm	ASTM D5185m		1107	---	---
Sulfur	ppm	ASTM D5185m		3221	---	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	8.4	---	---
Base Number (BN)	mg KOH/g	ASTM D2896		11.46	---	---
Visc @ 100°C	cSt	ASTM D445		15.3	---	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0014596 **Received** : 08 Jul 2024
Lab Number : 06230363 **Tested** : 09 Jul 2024
Unique Number : 11113856 **Diagnosed** : 10 Jul 2024 - Jonathan Hester
Test Package : MOB 2 (Additional Tests: PrtCount)

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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)