



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
KOHLER KOHLER 180
Component
Diesel Engine
Fluid
CHEVRON 15W40 (--- GAL)

RECOMMENDATION

We advise that you check for the source of water entry. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

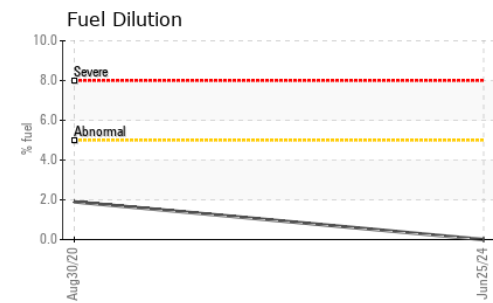
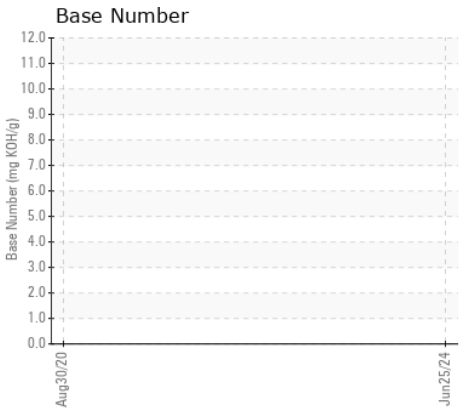
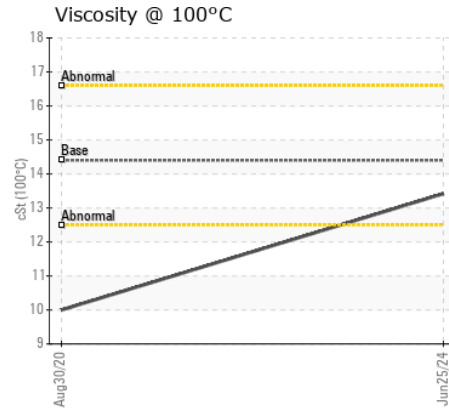
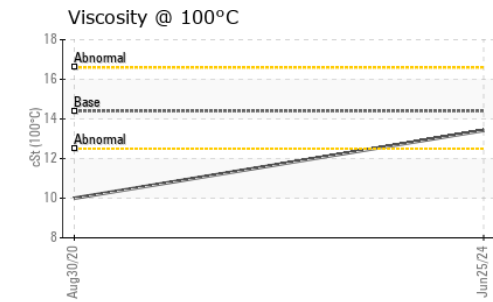
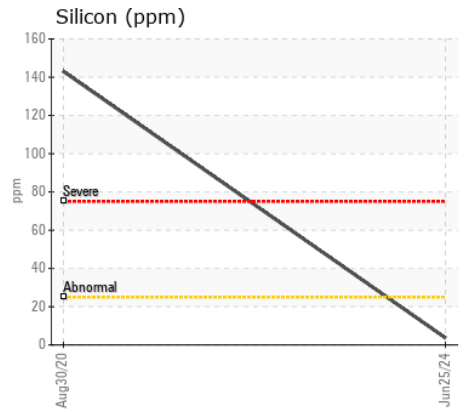
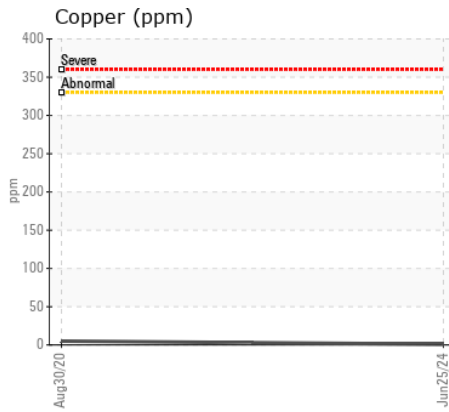
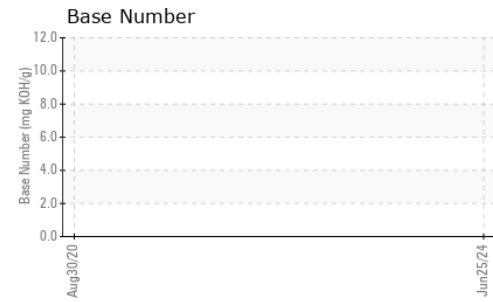
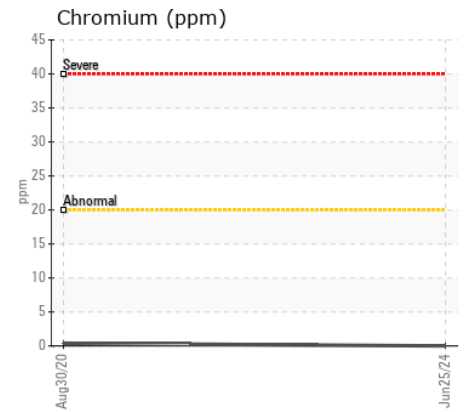
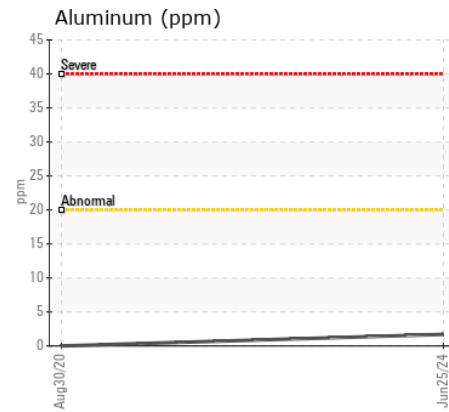
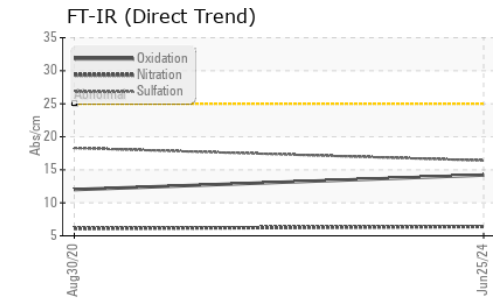
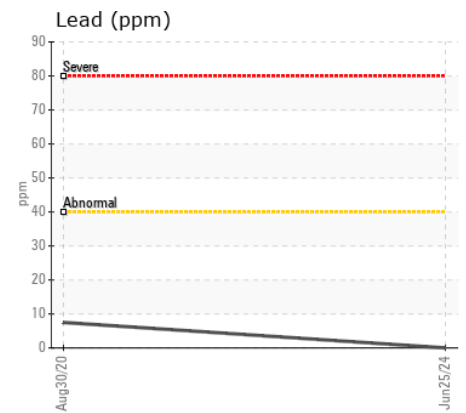
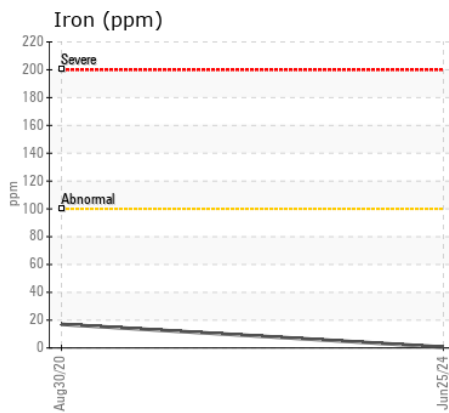
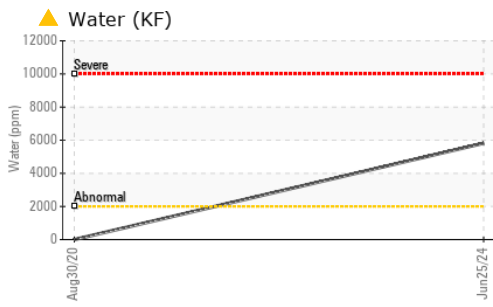
CONTAMINATION

Appearance is milky. There is a moderate concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0827474	WC0495649	---
Sample Date		Client Info		25 Jun 2024	30 Aug 2020	---
Machine Age	hrs	Client Info		0	0	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	SEVERE	---
Iron	ppm	ASTM D5185m	>100	<1	17	---
Chromium	ppm	ASTM D5185m	>20	0	<1	---
Nickel	ppm	ASTM D5185m	>4	0	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m	>3	0	<1	---
Aluminum	ppm	ASTM D5185m	>20	2	0	---
Lead	ppm	ASTM D5185m	>40	0	8	---
Copper	ppm	ASTM D5185m	>330	1	5	---
Tin	ppm	ASTM D5185m	>15	0	2	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>25	4	▲ 143	---
Potassium	ppm	ASTM D5185m	>20	3	7	---
Fuel	%	ASTM D3524	>5	<1.0	1.9	---
Water	%	ASTM D6304	>0.2	▲ 0.582	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 5820	---	---
Glycol	%	*ASTM D2982		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.1	0	---
Nitration	Abs/cm	*ASTM D7624	>20	6.4	6.1	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.4	18.3	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	▲ MODER	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	● MILKY	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	▲ 0.2%	NEG	---
Sodium	ppm	ASTM D5185m	>50	2	12	---
Boron	ppm	ASTM D5185m		49	150	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		65	129	---
Manganese	ppm	ASTM D5185m		<1	12	---
Magnesium	ppm	ASTM D5185m		935	143	---
Calcium	ppm	ASTM D5185m		1112	1599	---
Phosphorus	ppm	ASTM D5185m		1014	554	---
Zinc	ppm	ASTM D5185m		1239	717	---
Sulfur	ppm	ASTM D5185m		3655	1515	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.2	12	---
Base Number (BN)	mg KOH/g	ASTM D2896		11.6	---	---
Visc @ 100°C	cSt	ASTM D445	14.4	13.42	▲ 10.0	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0827474
Lab Number : 06220579
Unique Number : 11098776
Test Package : MOB 1 (Additional Tests: FuelDilution, Glycol, KF, PercentFuel, TBN)

Received : 25 Jun 2024
Tested : 28 Jun 2024
Diagnosed : 28 Jun 2024 - Jonathan Hester

B & B POULTRY
 110 ALMOND RD
 NORMA, NJ
 US 08347
 Contact: MARK FISHER

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)

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F: