



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
642-12
Component
Diesel Engine
Fluid
DURALENE Dura-Syn DX-1 5W30 (8 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

WEAR

All component wear rates are normal.

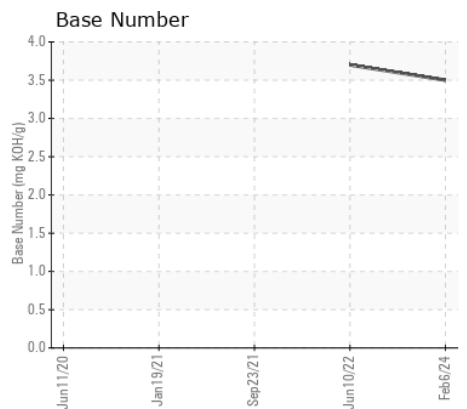
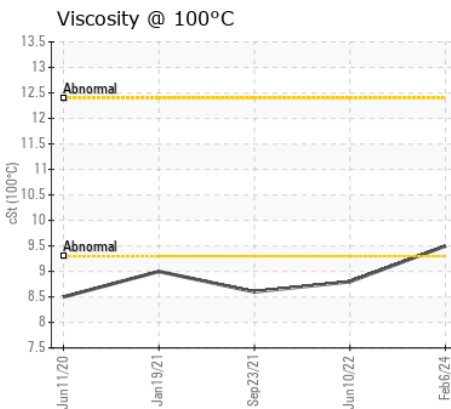
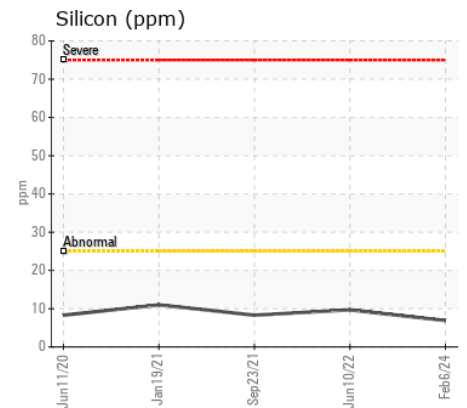
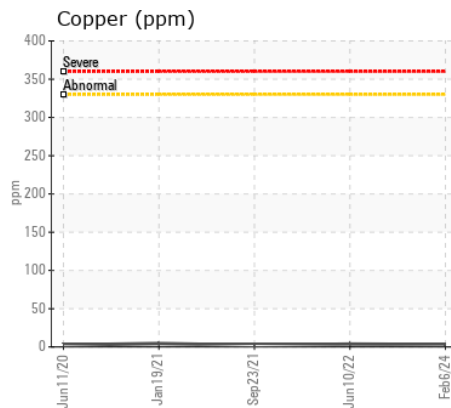
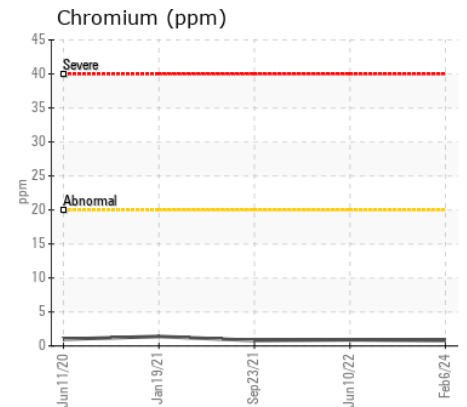
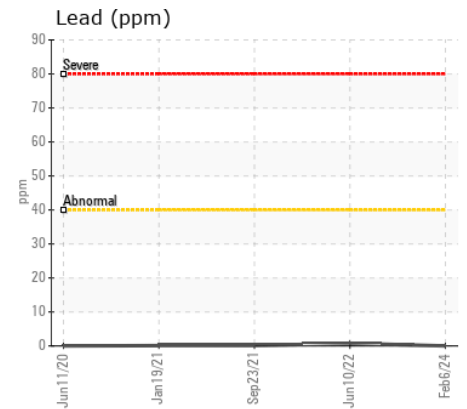
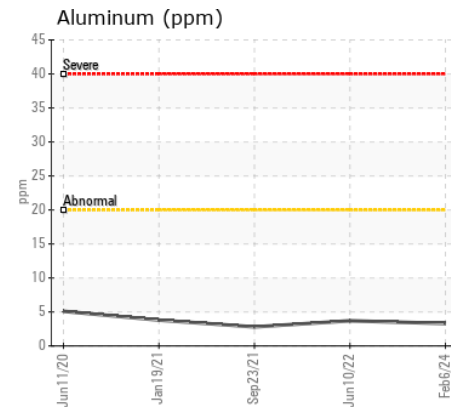
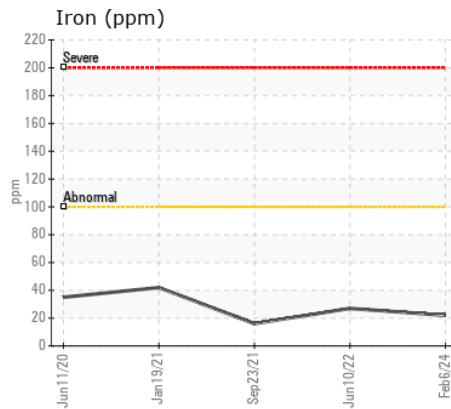
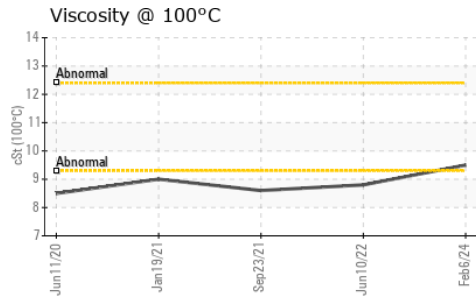
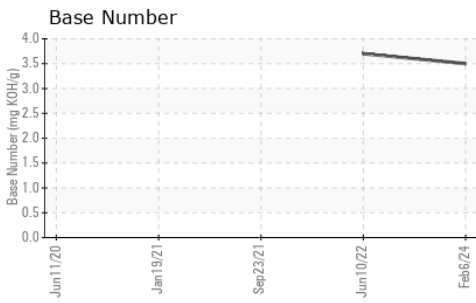
CONTAMINATION

There is no indication of any contamination in the oil.

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0033035	DC0021331	DC0010946
Sample Date		Client Info		06 Feb 2024	10 Jun 2022	23 Sep 2021
Machine Age	mls	Client Info		176162	170346	165018
Oil Age	mls	Client Info		5816	5328	165018
Filter Age	mls	Client Info		0	0	165018
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ATTENTION
Iron	ppm	ASTM D5185m	>100	22	27	16
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	3	4	3
Lead	ppm	ASTM D5185m	>40	0	<1	<1
Copper	ppm	ASTM D5185m	>330	3	4	2
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	7	10	8
Potassium	ppm	ASTM D5185m	>20	<1	<1	<1
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	12.9	12.7	12.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.4	24.9	23.8
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	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		11	29	29
Boron	ppm	ASTM D5185m		29	30	19
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		57	39	38
Manganese	ppm	ASTM D5185m		2	<1	<1
Magnesium	ppm	ASTM D5185m		440	366	394
Calcium	ppm	ASTM D5185m		1214	1453	1481
Phosphorus	ppm	ASTM D5185m		669	630	638
Zinc	ppm	ASTM D5185m		764	764	737
Sulfur	ppm	ASTM D5185m		2875	2901	2660
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.9	19.3	17.8
Base Number (BN)	mg KOH/g	ASTM D2896		3.5	▲ 3.7	---
Visc @ 100°C	cSt	ASTM D445		9.5	▲ 8.8	▲ 8.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0033035 **Received** : 14 Feb 2024
Lab Number : 06089396 **Tested** : 15 Feb 2024
Unique Number : 10876841 **Diagnosed** : 15 Feb 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: TBN)

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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