



1227 Deeds Ave., P.O. Box 696, Dayton, OH 45401

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[LOGAN HOLLOW FISH]

Machine Id

2004 MITSUBISHI 04 MITSUBISHI

Component

Diesel Engine

Fluid

AMERICAN LUBRICANTS MOLY NU-SPEX 15W40 (--- QTS)

RECOMMENDATION

No corrective action is recommended at this time.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		AL01865563	AL01784197	---
Sample Date		Client Info		11 Nov 2006	18 Jul 2006	---
Machine Age	mls	Client Info		36988	28000	---
Oil Age	mls	Client Info		17988	19000	---
Filter Age	mls	Client Info		17988	19000	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m		83	40	---
Chromium	ppm	ASTM D5185m		4	1	---
Nickel	ppm	ASTM D5185m		<1	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m		15	11	---
Lead	ppm	ASTM D5185m		28	16	---
Copper	ppm	ASTM D5185m		36	9	---
Tin	ppm	ASTM D5185m		5	5	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

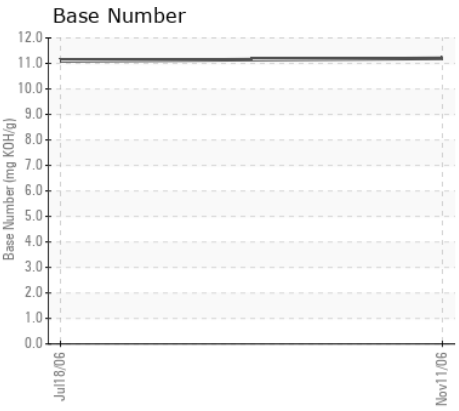
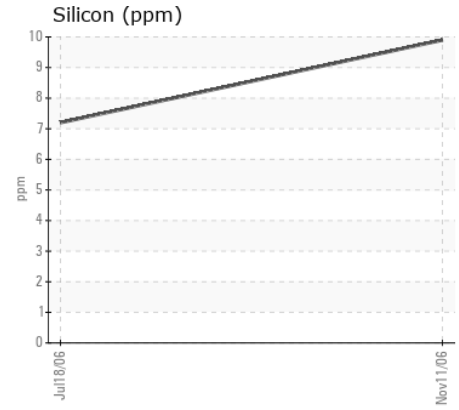
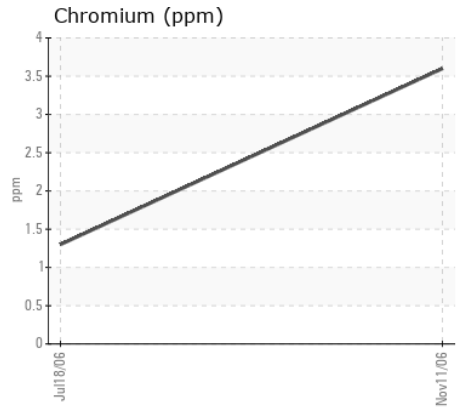
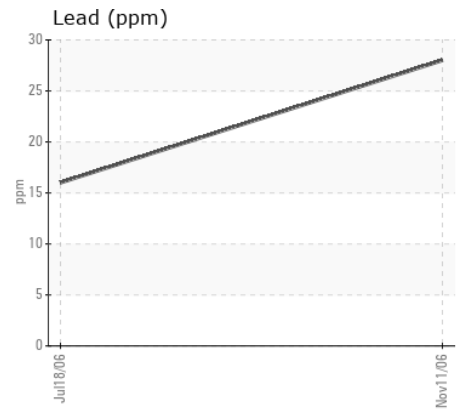
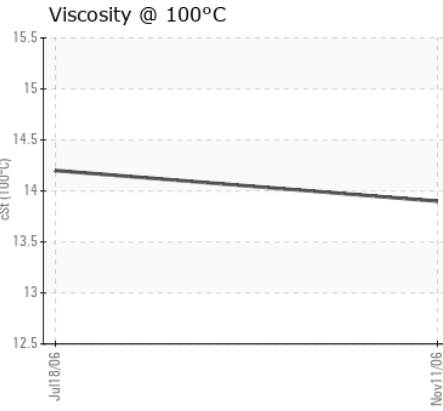
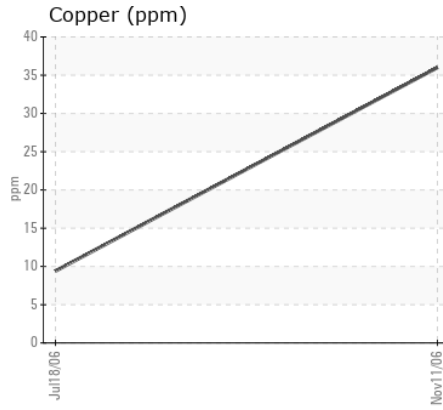
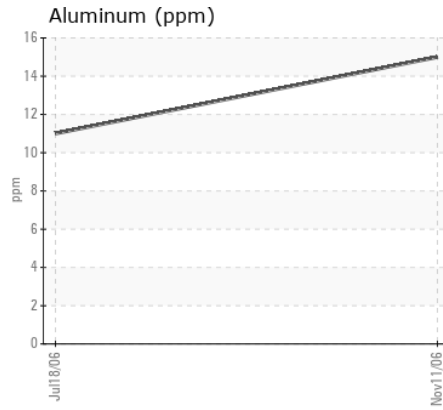
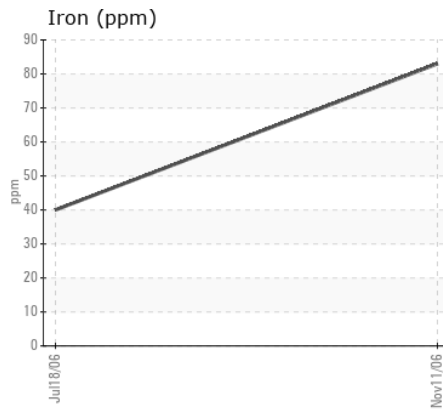
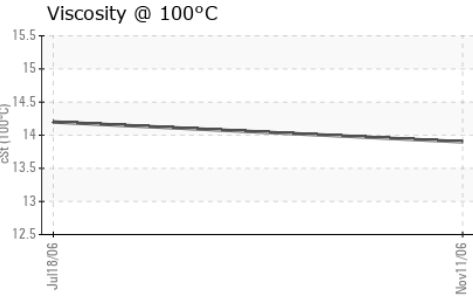
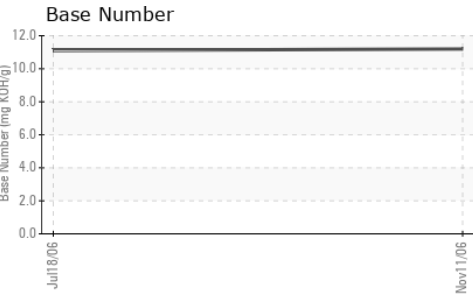
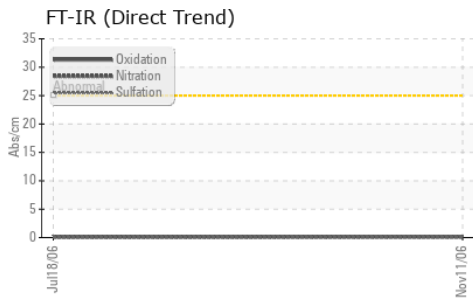
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185m		10	7	---
Potassium	ppm	ASTM D5185m		0	5	---
Fuel		WC Method		<1.0	<1.0	---
Water		WC Method		NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844		0.6	0.3	---
Nitration	Abs/cm	*ASTM D7624		0.12	0.10	---
Sulfation	Abs/.1mm	*ASTM D7415		0.14	0.11	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual		NEG	NEG	---

FLUID CONDITION

The condition of oil is suitable for further service.

Sodium	ppm	ASTM D5185m		6	3	---
Boron	ppm	ASTM D5185m		1	0	---
Barium	ppm	ASTM D5185m		2	0	---
Molybdenum	ppm	ASTM D5185m		385	261	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		15	10	---
Calcium	ppm	ASTM D5185m		4385	3457	---
Phosphorus	ppm	ASTM D5185m		1148	995	---
Zinc	ppm	ASTM D5185m		1402	1151	---
Sulfur	ppm	ASTM D5185m		5187	4331	---
Oxidation	Abs/.1mm	*ASTM D7414		0.14	0.12	---
Base Number (BN)	mg KOH/g	ASTM D2896		11.2	11.1	---
Visc @ 100°C	cSt	ASTM D445		13.9	14.2	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : AL01865563
Lab Number : 01865563
Unique Number : 3954113
Test Package : MOB 2

Received : 15 Nov 2006
Tested : 16 Nov 2006
Diagnosed :

THE AMERICAN LUBRICANTS COMPANY

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 US 45401-0696
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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)