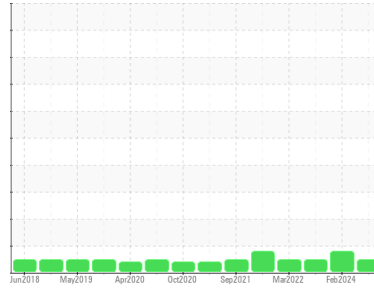


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
DT33
Component
Rear Differential
Fluid
CHEVRON RPM SYNTHETIC GEAR 75W90 (3 mls)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0110899	PCA0104207	PCA0104127
Sample Date	Client Info		22 Feb 2024	05 Feb 2024	31 Aug 2023
Machine Age	mls	Client Info	304214	302303	287410
Oil Age	mls	Client Info	75000	75000	75000
Oil Changed	Client Info		Not Chngd	N/A	Not Chngd
Sample Status			NORMAL	ABNORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >1200	112	312	180
Chromium	ppm	ASTM D5185m >8	<1	2	<1
Nickel	ppm	ASTM D5185m >20	3	10	5
Titanium	ppm	ASTM D5185m >4	0	<1	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >30	10	▲ 32	18
Lead	ppm	ASTM D5185m >25	1	<1	0
Copper	ppm	ASTM D5185m >50	<1	1	<1
Tin	ppm	ASTM D5185m >5	<1	<1	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	230	221	260
Barium	ppm	ASTM D5185m	0	0	7
Molybdenum	ppm	ASTM D5185m	14	5	5
Manganese	ppm	ASTM D5185m	1	3	2
Magnesium	ppm	ASTM D5185m	68	70	71
Calcium	ppm	ASTM D5185m	175	81	113
Phosphorus	ppm	ASTM D5185m	1239	1362	1293
Zinc	ppm	ASTM D5185m	118	100	108
Sulfur	ppm	ASTM D5185m	19352	22727	25056

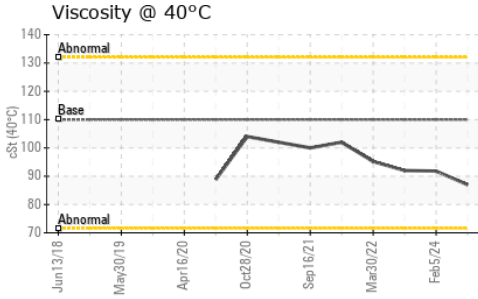
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >230	22	48	41
Sodium	ppm	ASTM D5185m	2	2	<1
Potassium	ppm	ASTM D5185m >20	<1	4	<1

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
Silt	scalar	*Visual NONE	NONE	NONE	NONE
Debris	scalar	*Visual NONE	LIGHT	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 >.2	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

OIL ANALYSIS REPORT

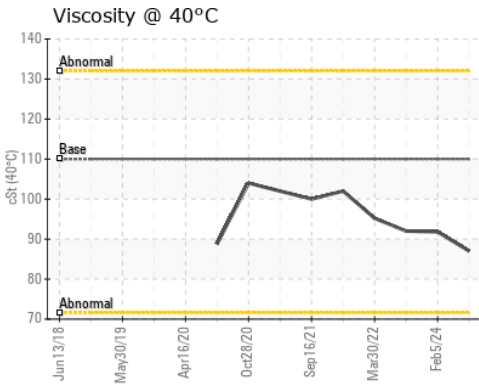
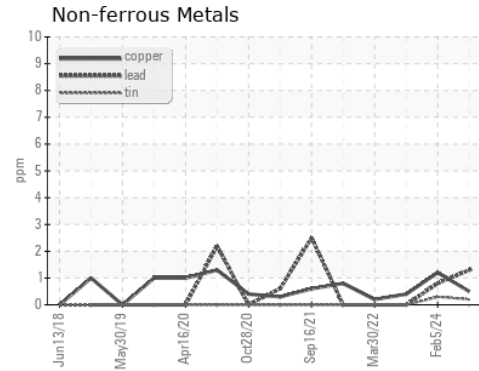
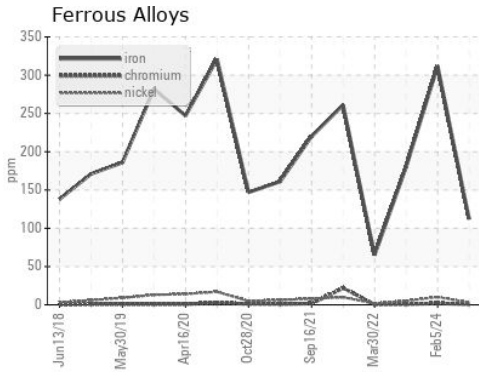


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	110	87.0	91.8	92.0

SAMPLE IMAGES		method	limit/base	current	history1	history2
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Color		no image	no image	no image
Bottom		no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0110899 **Received** : 26 Feb 2024
Lab Number : **06100478** **Tested** : 27 Feb 2024
Unique Number : 10898708 **Diagnosed** : 27 Feb 2024 - Wes Davis
Test Package : FLEET

HK STEEL INC
 400 N PARSON ST
 WEST COLUMBIA, SC
 US 29169
 Contact: GEORGE EDWARDS
 gedwards@nwwhite.com

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:
F: