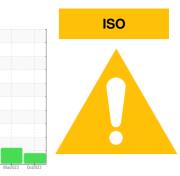


# **OIL ANALYSIS REPORT**

Sample Rating Trend



# DICK LAVY **DICK LAVY 4777** Component

**Front Differential** NOT GIVEN (--- GAL)

## DIAGNOSIS

#### A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

#### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

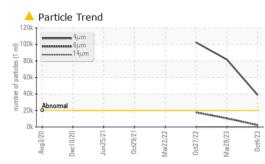
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0853974	WC0815535	WC0765887
Sample Date		Client Info		04 Oct 2023	28 Mar 2023	27 Oct 2022
Machine Age	mls	Client Info		446386	390773	345174
Oil Age	mls	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	244	204	201
Chromium	ppm	ASTM D5185m	>10	2	1	2
Nickel	ppm	ASTM D5185m	>10	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	2	0	2
Lead	ppm	ASTM D5185m	>25	- <1	0	<1
Copper	ppm		>100	2	2	2
Tin	ppm	ASTM D5185m	>100	~1	<1	<1
Vanadium	ppm	ASTM D5185m	210	0	0	0
Cadmium	ppm	ASTM D5185m		۰ <1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		101	106	93
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		11	10	9
Magnesium	ppm	ASTM D5185m		146	139	147
Calcium	ppm	ASTM D5185m		6	5	5
Phosphorus	ppm	ASTM D5185m		1620	1550	1522
Zinc	ppm	ASTM D5185m		0	7	10
Sulfur	ppm	ASTM D5185m		23866	23627	25056
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	67	45	51
Sodium	ppm	ASTM D5185m		5	3	6
Potassium	ppm	ASTM D5185m	>20	2	2	0
Water	%	ASTM D6304	>.2	0.038	0.032	0.043
ppm Water	ppm	ASTM D6304	>2000	388	324.7	431.4
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	<b>A</b> 38624	▲ 81692	▲ 102409
Particles >6µm		ASTM D7647	>5000	2308	▲ 10457	▲ 17597
Particles >14µm		ASTM D7647	>640	18	46	68
Particles >21µm		ASTM D7647	>160	6	6	5
Particles >38µm		ASTM D7647	>40	1	0	1
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	<b>A</b> 22/18/11	<b>4</b> /21/13	<b>4</b> /21/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.81	0.87	0.79

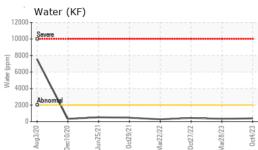


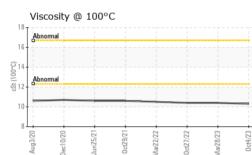
# **OIL ANALYSIS REPORT**

Color

Bottom







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	NONE	LIGHT	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
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		57.6	60.2	58.8
Visc @ 100°C	cSt	ASTM D445		10.3	10.4	10.4
Viscosity Index (VI)	Scale	ASTM D2270		169	162	167
SAMPLE IMAGES		method	limit/base	current	history1	history2
						Fleet D



