



ENGINE MARINE

STARBOARD

D350-52019-1414

SAMPLE SHIP TIME (days) : 1

M D MARINE DIESEL

SERVICE

RECEIVED DATE: 19-Jan-22

EQUIP NUM: BLACK HORSE

DETROIT_DS 671TA_DETROIT_DS

No Action Required

NORMAL WEAR METAL READINGS. NO PROBLEMS PRESENTLY ASSOCIATED WITH THIS SAMPLE. CONTINUE SAMPLING AT THE NORMAL INTERVAL.

SERIAL NUMBER: 6A458035

Interp By: Eileen T. Garcia

Interpreted On: 19-Jan-22

SAMPLE INFORMATION

Sampled Date	18-Jan-22
Sample Id	D350-52019-1414
Lab Date	19-Jan-22
Meter [Hr]	4995.1
Meter On Fluid	25
Fluid Brand	
Fluid Weight	
Fluid Type	
Fluid Change	U
Filter Change	U

For additional sample history, go to:

my.cat.com

CONDITION / CONTAMINATION

18-Jan-22

VISCOSITY (CENTISTOKES) ASTM D445

V100	Viscosity at 100 C	14.20
------	--------------------	-------

INFRARED (UFM) ASTM E2412

ST	Soot	2
OXI	Oxidation	8
SUL	Sulfur Products	14
NIT	Nitration	4

WATER

W	Water	N
---	-------	---

WEAR LEVELS / ADDITIVES

18-Jan-22

ELEMENTAL ANALYSIS (PPM) ASTM D5185 [OIL] / ASTM D6130 [COOLANT]

Cu	Copper	2
Fe	Iron	12
Cr	Chromium	0
Al	Aluminum	1
Pb	Lead	0
Sn	Tin	1
Si	Silicon	10
Na	Sodium	5
K	Potassium	0
Mo	Molybdenum	142
Ni	Nickel	0
Ag	Silver	0
Ti	Titanium	0
V	Vanadium	0
Mn	Manganese	0
Ca	Calcium	503
P	Phosphorus	1086
Zn	Zinc	1273
Mg	Magnesium	1285
Ba	Barium	0
B	Boron	193

ANTIFREEZE

A	Antifreeze	N
---	------------	---

FUEL

F	Fuel	N
---	------	---

ENGINE MARINE STARBOARD
SERIAL NUMBER: 6A458035
EQUIP NUM: BLACK HORSE
DETROIT_DS 671TA_DETROIT_DS

D350-52019-1414



No Action Required

Report Comment

Our sample reports has been updated! For more information on the new report, go to - <https://www.youtube.com/watch?v=4h8bREJVUrs>
Ring Power Fluid Analysis Customer Feedback Survey - https://docs.google.com/forms/d/e/1FAIpQLSfWLID-C3HIGUdEsuOas1Y0tkOJ5Fm-9MqZ77NnxRD9a6jNDg/viewform?usp=sf_link